EPA: 141002-2011



LIMS Report #:

401

284272

Request Id:

2484533

Submitter: NMED - Ground Water Quality Bureau

1190 St. Francis Drive

P.O. Box 5469

Santa Fe, NM 87502

Submitter Code:

Collector:

418 **EARLE DIXON**

User Code:

55321

COC Initiated:

Yes

Condition of Seal:

Not Present

Sample #: Sample Type: 2014032099

Water, Non-filtered

Sample Intact

Sample Condition: Sample Note:

GWQ LSM-7

Date Collected:

10/8/2014 12:55 10/10/2014 15:57

Date Received: Date Reported:

12/10/2014

CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	5.3 pCi/L	1,0	1.8	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	6.9 pCVL	1.3	2.4	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	-0.3 pCi/L	1.5	2.9	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	-0.3 pCI/L	1.5	2.9	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	0.29 pCi/L	0.02	0.01	NPV	903.1
15262-20-1	Ra228, SDWA Method	0.11 pCi/L	0.06	0.14	JLE	904.0
07440-61-1	Uranium, Mass Concentration	<1 ug/L	0.5	1.0	JLE	200.8
13966-29-5	U234, by Alpha Spec	2.8 pCi/L	0.12	0.07	JLE	HASL-300
07440-61-1	U238, by Alpha Spec	0.27 pCi/L	0.03	0.04	JLE	HASL-300

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to 14 15 16 12 convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what is compared to the gross MCI of 15 pCi/L.

Print Date:

RECEIVED

DEC 2014

12/10/2014

Page 1 of 1

9787429

7 REQUEST 10 Label R#1 2484533	0ne Form Per Sample	1101 Cam Albuquer	ino de Salud N que, NM 8710 505) 383-9000	E 0	ne Form er Sample	2014(y RC 13209	9
LAB	DATE	Sample Temperatur	e (°C): 17,9 La	b Remarks:				
USE>>> ONLY 14-001	<< <time< td=""><td>X Field preservati</td><td>on confirmed</td><td>Preserved to pH <</td><td>2 at Lab Date/</td><td>nitial:</td><td>0000</td><td>HOVE.</td></time<>	X Field preservati	on confirmed	Preserved to pH <	2 at Lab Date/	nitial:	0000	HOVE.
SUBMITTER CODE/DESC	RIPTION: 418 NMED - C	Ground Water Qu	ality Bureau		SAMPLE	PRIORIT	(call lab i	f 1 / 2):
OUSER CODE 30120 (AB	CWUA) 055000 (NMED-D	OWB) O55410 (NM	ED-GWQB) O6	4000 (Individual cli	ent fee-for-service	O559	10 (NME	D-SWQB)
OTHER USER CODE (Se	electione): 55321 NMED	GWQ Bureau A	batement and	Assessment - G	eneral Fund			0
SAMPLER NAME (First):	EARLE (Last	t): DIXON	SAMPLE	RID#:	ONTACT PHONE	#: 50	5827289	0
WSS ID # (xxnnnnnnn):		WSS NAME:						
FACILITY/LOCATION:			FACILITY ID:		SAMPLING PT.	ID:		
New / Change Address	for Submitter>	Name:						
New / Change Address	for WSS/Client>	Address, with ZIP:			*			
Attention To:	>							
FIELD DATA O Non	-chlorinated O Chlorin	ated Residual (m	g/l): pH:	Conductivit	v/uS/cml	Tompo	rature (° C	,
AND		nesiduai (iii	g/ij. pri.	Conductivit	y (μολείτη:	rempe	ratare (- C	<u>/ </u>
157		Compliance	Non-compliance	Split with fa	cility Gra	b sample		omposite
SAMPLING DOCUMENTATION	Confirmation Raw wo			r, Describe:				
SAMPLE O Filtered wat			1- 1-		Groundwater		Tissue () Urine
SAMPLE O Filtered wat	O Other, Describe:	3011/3ediffient	O studge O	Swipe/sinedi 07	All Sumple O Bi	000 0	rissue	Jonne
PRESERVATION None		nedat < AC F HC	ItanH < 3 V HA	10 to pH < 3 F H3	SOLID PH < 2	Accorbica	cid M	aleic acid
OR ACID/BASE			rtopii (2 px riiv	Ostopii (2) 1125	30410 pi 1 < 2	ASCOIUIC U	CICI TVIC	ileic acia
ADDED Na2S2	OSI NOONTOPH > 12	Other, Describe.						
A&M ANALYSES LIST					-			0
OR ANALYSES LIST		_						0
RC ANALYSES LIST	Gross Alpha and/or B	eta (SM 7100B (Gross Alpha ar	nd/or Beta)				0
WC ANALYSES LIST								0
CTAR ANALYSES LIST								0
ADDITIONAL ANALYSES	adium-226; radium-2	28; uranium by I	CPMS; uraniur	m-238/uranium-2	234			
DATE COLLECTED (MM-L	DD-YY): 10/08/	2014	TIME COLL	ECTED (HH:MM 24	-hr): 12:	55		
	Pi	lease use this CHAIN O	F CUSTODY FORM	to record transfer	On Shipping	Present	Not	Present &
					Container	& Intact	Present	Damaged
	this request form & sample above; by the sampler listed							
By (print): Earle	C. Pixen Sign	ned: Gills	Dirps	-				
	this form & container was					_	N	_
By (print)	date & time shown below ((by the non-lab per:	_ / _		f seal 🔲 me:		X	U
Veronica	this form & container was	O.C.	be DATE/TIME OF	'AMP shown in the	ton			
left of this form or at the		buthe person hele		man proof cod			П	П

Date:

Time:

Signed:

By (print):

EPA: 141002-2011



LIMS Report #:

284271

Request Id:

2484535

Submitter: NMED - Ground Water Quality Bureau

1190 St. Francis Drive

P.O. Box 5469 Santa Fe, NM 87502 Submitter Code:

418

Collector:

EARLE DIXON

User Code:

55321

COC Initiated:

Yes

Condition of Seal:

Not Present

Sample #: Sample Type: 2014032098

Water, Non-filtered

Sample Intact

Date Collected:

10/8/2014 8:10

Date Received:

10/10/2014 15:56

Date Reported:

12/10/2014

Sample Note:

Sample Condition:

GWQ LSM-9

CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	13.7 pCi/L	1.2	1.2	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	15.8 pCi/L	1.4	1.3	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	3.8 pCi/L	1.2	2.2	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	3.9 pCi/L	1.3	2.3	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	0.04 pCi/L	0.01	0.01	NPV	903.1
15262-20-1	Ra228, SDWA Method	0.02 pCi/L	0.08	0.14	JLE	904.0
07440-61-1	Uranium, Mass Concentration	16 ug/L	1.6	1.0	JLE	200.8
13966-29-5	U234, by Alpha Spec	8.1 pCi/L	0.24	0.04	JLE	HASL-300
7440-61-1	U238, by Alpha Spec	4.1 pCi/L	0.13	0.02	JLE	HASL-300

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the " Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.67 te 15 16 17 18 convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what is compared to the gross MCI of 15 pCi/L. RECEIVED

REQUEST ID Labol R#143 2484535 One S	Form 1101 Can	aporatory Division nino de Salud NE rque, NM 87102 (505) 383-9000	One Form Per Sample	CHEMISTRY 201403		ē -
LAB USE>>>	DATE Sample Temperatu	re (°C): 17, (bab Remari	ks:			
ONLY 1/ OCT 10 PM 1:12	STAMP X Field preservat	tion confirmed Presen	ved to pH < 2 at Lab Da	te/Initial:] (octi	4/00
SUBMITTER CODE/DESCRIPTION: 41	8 NMED - Ground Water Q	uality Bureau	SAM	PLE PRIORITY	(call lab it	1/2):
OUSER CODE 30120 (ABCWUA) O 55	000 (NMED-DWB) 055410 (NA	MED-GWQB) 0 64000 (In	dividual client fee-for-ser	vice) O 559	10 (NMED	-SWQB)
OTHER USER CODE (Select one): 55	321 NMED GWQ Bureau A	Abatement and Assess	ment - General Fun	d		0
SAMPLER NAME (First): EARLE	(Last): DIXON	SAMPLERID #:	CONTACT PHO	ONE #: 505	827289	0
WSS ID # (xxnnnnnnnn):	WSS NAME:					
FACILITY/LOCATION:		FACILITY ID:	SAMPLING	PT. ID:		
New / Change Address for Submitter	> Name:					
New/Change Address for WSS/Clie Attention To:	Address, with ZIP:					
FIELD DATA Non-chloringted	O Chairman Bridge		Conductivity (C. Clary)	Tomas	7.451 U.S. (0.C.	
AND	O Chlorinated Residual (n	ng/l): pH: (Conductivity (µS/cm):	rempe	rature (°C,	
SAMPLING X NMED monited Confirmation Confirma		2.7.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2	1	<i>Grab sample</i> ter samples		mposite
TVDE	iltered water O Soil/Sediment Describe:	Sludge O Swipe/Sr.	mear Air sample	Blood O	Tissue C) Urine
OR ACID/BASE	to pH > 12 Other, Describe:	Cl to pH < 2 🔀 HNO₃ to pH	< 2	Ascorbic ac	id Ma	leic acid
A&M ANALYSES LIST						0
OR ANALYSES LIST		 				0
RC ANALYSES LIST Gross Alp	ha and/or Beta (SM 7100B	Gross Alpha and/or Be	eta)			0
WC ANALYSES LIST						0
CTAR ANALYSES LIST						0
ADDITIONAL ANALYSES adium-22	6; radium-228; uranium by	ICPMS; uranium-238/u	ıranium-234		•	
DATE COLLECTED (MM-DD-YY):	0-08-14	TIME COLLECTED ((HH:MM 24-hr):	8:10		
	Please use this CHAIN C	OF CUSTODY FORM to record	transfer On Shippin	g <u>Present</u>	Not	Present &
The sample identified on this request f	orm & sample container was co	llected at the date & time	Containe	& Intact	Present	Damaged
shown in the form fields above; by the By (print): Earle C.Dixo	sampler listed above, and was t	ransferred with a tamper-p	proof seal			
The sample identified on this form & coleft of this form, or at the date & time some controls: Veronica Wilmon	hown below (by the non-lab pe	rson below), and with a tan	mper-proof seal Time:		4	0
The sample identified on this form & c left of this form, or at the date & time s By (print):				_	٥	_

EPA: 141002-2011



LIMS Report #:

284273

Request Id:

2484537

Submitter: NMED - Ground Water Quality Bureau

1190 St. Francis Drive

P.O. Box 5469 Santa Fe, NM 87502 **Submitter Code:**

418

Collector:

EARLE DIXON

User Code:

55321

COC Initiated:

Yes

Condition of Seal:

Not Present

Sample #: Sample Type:

Sample Condition:

Sample Note:

2014032100

Water, Non-filtered

GWQ LSM-10

Sample Intact

Date Collected:

10/7/2014 12:12

Date Received: Date Reported: 10/10/2014 15:58

12/10/2014

CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	12.2 pCi/L	1.1	1.2	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	14.3 pCi/L	1.3	1.4	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	4.7 pCi/L	1.2	2.2	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	4.9 pCI/L	1.3	2.3	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	0.05 pCi/L	0.01	0.01	NPV	903.1
15262-20-1	Ra228, SDWA Method	-0.03 pCi/L	0.08	0.14	JLE	904.0
07440-61-1	Uranium, Mass Concentration	16 ug/L	1.6	1.0	JLE	200.8
13966-29-5	U234, by Alpha Spec	8.1 pCi/L	0.24	0.04	JLE	HASL-300
07440-61-1	U238, by Alpha Spec	4.2 pCi/L	0.14	0.02	JLE	HASL-300

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the " Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what is compared to the gross MCI of 15 pCI/L.

REQUEST ID Label R#143 2484536 One For	m 1101 Car Albuque	aporatory Division mino de Salud NE erque, NM 87102 (505) 383-9000	One For Per Sam	6 1111111	stry rc 4032101	1			
LAB USE>>> <	DATE Sample Temperate	70.0							
ONLY 14-00T (0-PH	STAMP Field preserva	ition confirmed Pre	eserved to pH < 2 at La	b Date/Initial:	WOOL	4 pre			
SUBMITTER CODE/DESCRIPTION: 418 N	MED - Ground Water C	Quality Bureau	0	SAMPLE PRIO	RITY(call lab if	(1/2):			
OUSER CODE 30120 (ABCWUA) 055000	0 (NMED-DWB) O55410 (N	MED-GWQB) O64000) (Individual client fee-	for-service))55910 (NMED)-SWQB)			
© OTHER USER CODE (Select one): 5532	1 NMED GWQ Bureau	Abatement and Asse	essment - Genera	I Fund		0			
SAMPLER NAME (First): EARLE	(Last): DIXON	SAMPLER ID #	t: CONTAC	T PHONE #:	505827289	0			
WSS ID # (xxnnnnnnn):	WSS NAME:								
FACILITY/LOCATION:		FACILITY ID:	SAMP	PLING PT. ID:					
New / Change Address for Submitter	> Name:	· · · · · ·							
New / Change Address for WSS / Client -	> Address, with ZIP:	:							
Attention To:	>								
AND Field remarks:									
DATE COLLECTED (MM-DD-YY):			ED (HH:MM 24-hr):	10:07	7				
		OF CUSTODY FORM to rec	and transfer On S			Drocant R.			
The sample identified on this request form shown in the form fields above; by the san by (print): Eavle C. Dixon	n & sample container, was compler listed above, and was to Signed:	ollected at the date & tin transferred with a tampe which	co ne er-proof seal	Shipping Press	act Present	Present & Damaged			
The sample identified on this form & conta left of this form, or at the date & time show									

Signed:

Signed:

The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the person below), and with a tamper-proof seal.....

By (print):

By (print):



Time:

Date:

EPA: 141002-2011



LIMS Report #:

284274

Request Id:

2484536

Submitter: NMED - Ground Water Quality Bureau

1190 St. Francis Drive

P.O. Box 5469

Santa Fe, NM 87502

Submitter Code:

418

Collector:

EARLE DIXON

User Code:

55321



COC Initiated:

Yes

Condition of Seal:

Not Present

Sample #:

2014032101

Sample Type: Water, Non-filtered

Sample Condition:

Sample Intact

Sample Note:

GWQ LSM-12

Date Collected:

10/7/2014 10:07

Date Received:

10/10/2014 15:59

Date Reported:

12/10/2014

CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	11.5 pCi/L	1.1	1.2	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	13.4 pCI/L	1.3	1.4	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	6.6 pCi/L	1.3	2.2	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	6.9 pCi/L	1.3	2.3	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	0.03 pCi/L	0.01	0.01	NPV	903.1
15262-20-1	Ra228, SDWA Method	0.19 pCi/L	0.08	0.14	JLE	904.0
07440-61-1	Uranium, Mass Concentration	15 ug/L	1.5	1.0	JLE	200.8
13966-29-5	U234, by Alpha Spec	8.8 pCi/L	0.27	0.04	JLE	HASL-300
07440-61-1	U238, by Alpha Spec	4.5 pCi/L	0.16	0.02	JLE	HASL-300

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the " Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what is 13 14 compared to the gross MCI of 15 pCi/L.

2484	537	43 One F Per San			1101 Cam Albuquer Phone (!	ino de que, N	Salud I M 8710	NE D2		One Fo	rm	CHEMISTRY 201403	RC 	·e
LAB USE>>>			DATE << <time< td=""><td>Sam</td><td>ple Temperatur</td><td>re (°C):</td><td>19.84</td><td>ab Rema</td><td>arks:</td><td></td><td></td><td></td><td></td><td></td></time<>	Sam	ple Temperatur	re (°C):	19.84	ab Rema	arks:					
ONLY	0=	5 11 • • • •		X	Field preservati	ion confi	irmed [Prese	erved to pH	<2 at La	b Date	e/Initial:	00d14	4/ONE:
14 U		rn	NMED (2=01	and Mater O	ieliti D					CAMPI	E DOLODITI	*/!!!-!-:	61 (2)
SUBMITTER COI								Visi nera ia		0		E PRIORITY		
OUSER CODE 3												(ce) U559	10 (NME	D-SWQB)
OTHER USER	CODE (Se	lect one): 55	321 NMED	GV	/Q Bureau A				ssment -	Genera	l Fund			0
SAMPLER NAME	E (First):	EARLE	(Las	t):	DIXON		SAMPLE	ER ID #:		CONTAC	T PHO	VE #: 50	827289	0
WSS ID # (xxnnn.	nnnn):			WS	NAME:	<u>'</u>								
FACILITY/LOCA	TION:	,				FACILI	TY ID:			SAME	LING P	T. ID:		
New/Chang	e Address	for Submitter -	>		Name:			17						
New/Chang	e Address	for WSS/Clier	nt>	Ada	lress, with ZIP:									
Attention To:			>											
FIELD DATA	O		0 611 1		Ja		-1							
AND		chlorinated	O Chlorin		Residual (m	9/1):	pH:	1	Conductiv	vity (µ.S/C	m):	rempe	rature (° C	/
REMARKS	Field remo	1	M-12		- ا		2007				I		=	
SAMPLING		NMED monito					mpliance		Split with	facility	Gr	ab sample	I Co	omposite
DOCUMENTATI	ON F	Confirmation	Raw wo	ater	Finished v	vater	X Oth	er, Des	scribe:	Grou	ndwate	r samples	· LSN	1-12
37000 -	ltered wate	er 🕝 Non-fil	tered water	0	Soil/Sediment	O Slu	dge O	Swipe/.	Smear C) Air sam	ple O	Blood O	Tissue C) Urine
TYPE O Fil	ter	O Other,	Describe:			500-545	*(I-04) *		100 P.D					
PRESERVATION	None	Lab to acid	dify Shipp	ed a	1<4C THC	l to pH <	2 X H	NO3 to pl	H < 2 H	12504 to p	H < 2	Ascorbic a	cid Mc	leic acid
OR ACID/BASE ADDED	Na2520	O3 NaOH t	opH > 12	Oth	er, Describe:									
				_									-	
A&M ANALYSES														0
OR ANALYSES I	LIST					_, _,_								0
RC ANALYSES L	.IST	Gross Alph	a and/or B	eta	(SM 7100B (Gross A	Alpha a	ind/or E	Beta)		Mul.			0
WC ANALYSES	LIST													0
CTAR ANALYSE	ES LIST										.,,,			0
ADDITIONAL A	NALYSES	radium-226	; radium-2	28; 1	uranium by I	CPMS;	; uraniu	ım-238	/uranium	-234				
							O-t-				124	<i>i</i> 2		
DATE COLLECT	ED (MM-L	D-YY): C	-07	- 14	+	ļii.	IME COL	LECTEL) (HH:MM 2	(4-nr):	122	12		
			PI	ease	use this CHAIN O	F CUSTO	DY FOR	M to recor	rd transfer		shipping ntainer	Present & Intact	<u>Not</u> Present	Present & Damaged
The sample ider	ntified on 1	this request fo	orm & sample	con	tainer, was coll	lected at	t the dat	e & time	<u> </u>	55	Manner	O IIIIOCI	LIGIGIA	Parriaged
shown in the for						ansferre	d with a	tamper	-proof sea	l				
By (print): Ed	irle	C. Dix	on sigi	ned:	Line	(1)	202							
The sample ider				Section 1								П	36	_
left of this form, By (print):				(by ti ned:	α	son belo		with a ti Date:		or seal Time:		u	نظر	<u> </u>
		Wilmot			0.11	Lely	not			-		-		
The sample ider left of this form,										150				_
By (print):				ned:	85			Date:		Time:				
1								_						

AD.

EPA: 141002-2011



LIMS Report #:

285032

Request Id:

2484538

Submitter: NMED - Ground Water Quality Bureau

1190 St. Francis Drive

P.O. Box 5469 Santa Fe, NM 87502 Submitter Code:

418

Collector:

EARLE DIXON

User Code:

55321

COC Initiated:

Yes

Condition of Seal:

Not Present

Sample #: Sample Type: 2014032105

Water, Non-filtered

Sample Intact

Date Collected:

Date Received: Date Reported: 10/7/2014 12:42

10/10/2014 16:01 12/16/2014

Sample Note:

Sample Condition:

GWQB LSM-24

CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	8.0 pCi/L	1.1	1.4	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	10.2 pCI/L	1.4	1.8	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	4.5 pCi/L	1.1	2.0	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	4.5 pCi/L	1.1	2.0	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	0.11 pCi/L	0.01	0.01	NPV	903.1
15262-20-1	Ra228, SDWA Method	0.08 pCi/L	0.06	0.14	JLE	904.0
07440-61-1	Uranium, Mass Concentration	9 ug/L	0.9	1.0	JLE	200.8
13966-29-5	U234, by Alpha Spec	4.0 pCi/L	0.12	0.03	NPV	HASL-300
07440-61-1	U238, by Alpha Spec	2.0 pCi/L	0.07	0.02	NPV	HASL-300

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the " Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what is A 15 16 17 compared to the gross MCI of 15 pCI/L.

30-31 12/16/2014 **Print Date:**

REQUEST 1D Labor R# 2484538	143 One F Per San	ARMENIA JEST AND STREET	1101 Cam Albuquer	nporatory Division nino de Salud NE rque, NM 87102 505) 383-9000	21 GRACO MORD 11/07/01	Form CI	Lab Account Hemstry RC	N .
LAB		DATE	Sample Temperatui	re (°C): 18. Qab Rer	marks:		ДПДИПАКТИ	14.
USE>>> ONLY 4 OCT 10 PM	1:12	<< <time STAMP</time 	▼ Field preservati	ion confirmed Pre	eserved to pH < 2 at	t Lab Date/Initi	ial: 10 Oct	14/00
SUBMITTER CODE/DESC	RIPTION: 418	NMED - G	round Water Qu	uality Bureau	-	SAMPLE PR	RIORITY(call lab i	f1/2):
OUSER CODE 30120 (AE	CWUA) 0550	OOO (NMED-D	WB) O55410 (NN	1ED-GWQ8) 064000) (Individual client (fee-for-service)	O55910 (NMEL	D-SWQB)
OTHER USER CODE (S	elect one): 55	321 NMED	GWQ Bureau A	batement and Asso	essment - Gene	eral Fund		0
SAMPLER NAME (First):	EARLE	(Last)): DIXON	SAMPLER ID #	#: CONT	FACT PHONE #:	505827289	90
WSS ID # (xxnnnnnnnn):		1	WSS NAME:		<u> </u>		<u> </u>	
FACILITY/LOCATION:				FACILITY ID:	SA	MPLING PT. ID	:	
New / Change Address	s for Submitter -	>	Name:				'	
New/Change Address	s for WSS / Clier	nt>	Address, with ZIP:					
Attention To:		>						
EIELD DATA		10			12			
AND	n-chlorinated	O Chlorina	ated Residual (m	g/l): pH:	Conductivity (µ.	5/cm):	Temperature (° C)
REMARKS Field rem		M-24		1-				-
SAMPLING X	NMED monitor			Non-compliance	Split with facility	y Grab sa	imple Co	omposite
13 Commence of the Commence of	Confirmation	Raw wat		, ,	1 01,		mples: LSM	1-24
SAMPLE O Filtered was	ter Non-file	tered water	O Soil/Sediment	O Sludge O Swipe	e/Smear O Air so	ample O Blood	d O Tissue) Urine
TYPE O Filter	O Other,							
PRESERVATION None	Lab to acid	lify Shippe	edat<4C ☐ HC	I to pH < 2	pH < 2	to pH < 2 Asc	orbic acid Ma	aleic acid
ADDED Na25	203 NaOH to	opH > 12	Other, Describe:					
A&M ANALYSES LIST								0
OR ANALYSES LIST	*	*	N N N N N N N N N N N N N N N N N N N	17. <u> </u>				0
RC ANALYSES LIST	Gross Alph	a and/or Be	eta (SM 7100B (Gross Alpha and/or	r Beta)	 		0
WC ANALYSES LIST					327			0
CTAR ANALYSES LIST			* * * *					0
ADDITIONAL ANALYSES	radium-226	radium-22		CPMS; uranium-23	20/uranium-234			
	Jadioin-220			OF MO, di amuni 20)0/ulalilui11-20-			
DATE COLLECTED (MM-	DD-YY): 10	-07-	14	TIME COLLECTE	ED (HH:MM 24-hr):	12:4	Z	
		Ple	ase use this CHAIN O	F CUSTODY FORM to rec	cord transfer (On Shipping Pr	resent Not	Present 8
The sample identified on	this rangest fo	erm & cample	container was col	locted at the date & tir	ma	Container &	Intact Present	Damage
shown in the form fields: By (print): Earle (above; by the s	sampler listed		ansferred with a tamp		🗆		

The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the non-lab person below), and with a tamper-proof seal

Signed: [

Signed:

By (print):

By (print):

Veronica Wilmot



Time:

Time:

EPA: 141002-2011



RECEIVED

DEC SOIL

LIMS Report #:

285029

Request Id:

2484539

Submitter: NMED - Ground Water Quality Bureau

1190 St. Francis Drive

P.O. Box 5469

Santa Fe, NM 87502

Submitter Code:

418

Collector:

EARLE DIXON

User Code:

55321

COC Initiated:

Yes

Condition of Seal:

Not Present

Sample #:

2014032102

Sample Type:

Sample Note:

Water, Non-filtered

Sample Condition:

Sample Intact

GWQB LSM-32

Date Collected:

10/9/2014 11:30

Date Received:

10/10/2014 15:59

Date Reported:

12/16/2014

CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	37.2 pCi/L	2.9	3.1	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	42.5 pCi/L	3.3	3.5	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	12.5 pCi/L	3.1	5.5	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	13.0 pCi/L	3.2	5.7	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	0.12 pCi/L	0.01	0.01	NPV	903.1
15262-20-1	Ra228, SDWA Method	0.20 pCi/L	0.08	0.14	JLE	904.0
7440-61-1	Uranium, Mass Concentration	58 ug/L	5.8	1.0	JLE	200.8
13966-29-5	U234, by Alpha Spec	22.1 pCi/L	0.63	0.10	NPV	HASL-300
7440-61-1	U238, by Alpha Spec	16.3 pCi/L	0.48	0.07	NPV	HASL-300

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the " Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what is 16 17 18 19 compared to the gross MCI of 15 pCi/L.

REQUEST ID Labol R#143 2484539 One Form Per Sample	1101 Cam Albuquei	nino de Salud NE rque, NM 87102 505) 383-9000	One Form Per Sample	CHEMISTRY		1
LAB DATE	Sample Temperatu	re (°C): 17.4 Lab Rem	arks:	~		
USE>>>	Field preservat	tion confirmed Pres	erved to pH < 2 at Lab	Date/Initial:	00014	/ore
SUBMITTER CODE/DESCRIPTION: 418 NMED -	Ground Water Q	uality Bureau	○ SAN	MPLE PRIORIT	Y (call lab if 1	1/2):
OUSER CODE 30120 (ABCWUA) O 55000 (NMED-	DWB) 055410 (NA	MED-GWQB) 064000	(Individual client fee-for-se	ervice) O55	910 (NMED-	SWQB)
OTHER USER CODE (Select one): 55321 NME	D GWQ Bureau A	batement and Asse	ssment - General Fu	nd		0
SAMPLER NAME (First): EARLE (La	ost): DIXON	SAMPLER ID #:	: CONTACT PH	10NE #: 50	58272890	
WSS ID # (xxnnnnnnn):	WSS NAME:					
FACILITY/LOCATION:		FACILITY ID:	SAMPLING	3 PT. ID:		
New / Change Address for Submitter ———————————————————————————————————						
FIELD DATA AND REMARKS Field remarks: SAMPLING Non-chlorinated Chlori	inated Residual (m LSM - 3 Compliance		Conductivity (μS/cm): Split with facility	Tempo Grab sample	erature (° C)	nposite
SAMPLE O Filtered water Non-filtered water TYPE Filter Confirmation Raw water Non-filtered water O Other, Describe:		Ta Ta	Scribe: Groundw Smear Air sample	ater samples		32 Urine
PRESERVATION None Lab to acidify Ship OR ACID/BASE ADDED Na2S2O3 NaOH to pH > 12		ltopH < 2 🔀 HNO₃ top	oH < 2	Ascorbic a	cid Male	ic acid
A&M ANALYSES LIST						0
OR ANALYSES LIST						0
RC ANALYSES LIST Gross Alpha and/or l	3eta (SM 7100B (Gross Alpha and/or	Beta)			0
WC ANALYSES LIST	37.507 B 305 A					0
CTAR ANALYSES LIST						0
ADDITIONAL ANALYSES adium-226; radium-2	228; uranium by I	CPMS; uranium-238	3/uranium-234			
DATE COLLECTED (MM-DD-YY): 10 - 09 -	- 14	TIME COLLECTE	D (HH:MM 24-hr):	-30		
The sample identified on this request form & sample list	le container, was col		<u>Contain</u>			Present & Damaged

Signed: Earle C. Dr

The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the non-lab person below), and with a tamper-proof seal

The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top

left of this form, or at the date & time shown below (by the person below), and with a tamper-proof seal......

Signed:

Signed:

By (print): Earle C. Dixon

-Veronica Wilmot

By (print):

By (print):



Time:

Time:

Date:

EPA: 141002-2011



LIMS Report #:

289001

Request Id:

2484540

Submitter: NMED - Ground Water Quality Bureau

1190 St. Francis Drive

P.O. Box 5469 Santa Fe, NM 87502 **Submitter Code:**

418

Collector:

EARLE DIXON

User Code:

55321

COC Initiated:

Yes

Condition of Seal:

Not Present

Sample #:

Sample Note:

2014032113

Date Collected:

10/7/2014 15:50

Sample Type:

Water, Non-filtered

Date Received:

10/10/2014 16:05

Sample Condition:

Sample Intact

LSM-34

Date Reported:

1/20/2015

CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	87.8 pCi/L	5.0	2.2	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	116.9 pCI/L	6.6	2.9	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	87.8 pCi/L	5.2	2.9	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	88.9 pCl/L	5.2	3.0	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	0.20 pCi/L	0.02	0.01	NPV	903.1
15262-20-1	Ra228, SDWA Method	0.19 pCi/L	0.08	0.14	JLE	904.0
07440-61-1	Uranium, Mass Concentration	210 ug/L	21	10	JLE	200.8
13966-29-5	U234, by Alpha Spec	75.24 pCI/L	2.06	0.21	JLE	HASL-300
07440-61-1	U238, by Alpha Spec	60.16 pCi/L	1.72	0.13	JLE	HASL-300

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports; The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the " Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what is compared to the gross MCI of 15 pCi/L.

-	REQUEST ID Label_ R#14	13
	2484540	

By (print):

1101 Camino de Salud NE

CHEMISTRY RC

	Per Sample	Phone (rque, NM 8/102 505) 383-9000	Per Sam	ple 2014	032113	3
LAB	DATE << <time< td=""><td>Sample Temperatu</td><td>re (°C): 17. Xab Rema</td><td>rks:</td><td></td><td></td><td></td></time<>	Sample Temperatu	re (°C): 17. Xab Rema	rks:			
USE>>> ONLY14 OCT 10 PM	1: 14 STAMP	▼ Field preservat	ion confirmed Prese	rved to pH < 2 at Lab	Date/Initial:	DM	114
SUBMITTER CODE/DESCR	RIPTION: 418 NMED -	Ground Water Q	uality Bureau	0	SAMPLE PRIORI	TY(call lab ii	f 1 / 2):
OUSER CODE 30120 (ABO	CWUA) 055000 (NMED-I	DWB) O55410 (MA	1ED-GWQB) 064000 (I	ndividual client fee-fa	or-service) O5	5910 (NMEE	D-SWQB)
OTHER USER CODE (Se	lect one): 55321 NMED	GWQ Bureau A	batement and Asses	sment - General	Fund		0
SAMPLER NAME (First):	EARLE (Las	it): DIXON	SAMPLERID #:	CONTACT	PHONE #: 5	05827289	00
WSS ID # (xxnnnnnnnn):		WSS NAME:					
FACILITY/LOCATION:			FACILITY ID:	SAMPI	ING PT. ID:		
New/Change Address	for Submitter>	Kanne:					
New/Change Address	for WSS / Client>	Address, with ZIP:					
Attention To:							
FIELD DATA O Non-	-chlorinated O Chloric	nated Residual (m	ng/l): pH:	Conductivity (uS/cn	n): Tem	perature (° C	
AND Field rem			igni,	consuctivity (i.s. cir	04 1 5171	Jeratine (Fic	
	NMED monitoring	Compliance	Non-compliance	Split with facility	Grab sample	. [(omposite
DOCUMENTATION -	Confirmation Raww				dwater sampl		
SAMPLE O Filtered water			O Sludge O Swipe/	1 Groun		Tissue (
TYPE O Filter	O Other, Describe.		0				
PRESERVATION None		pedat<4C\ \ H	CI to pH < 2 X HNOs to pl	1 < 2 H2SO4 to pl	1 < 2 Ascorbio	acid Ma	aleic acid
OR ACID/BASE	:03 \ NaOH to pH > 12 \ \						SON THE LEASE THE LIKE

A&M ANALYSES LIST							0
OR ANALYSES LIST							0
RC ANALYSES LIST	Gross Alpha and/or E	Beta (SM 7100B	Gross Alpha and/or E	Beta)			0
WC ANALYSES LIST							0
CTAR ANALYSES LIST							0
ADDITIONAL ANALYSES	adium-226; radium-2	228; uranium by	ICPMS; uranium-238	/uranium-234			
DATE COLLECTED (MM-	00-11): 10-07	-14	TIME COLLECTED) (HH:MA1 24-hr):	15:50		
	1	Please use this CHAIN (OF CUSTODY FORM to recor	d transfer On S	hipping Presen	t Not	Present &
The completed of the	this request form & sampl	la container was co	llasted at the date & time		stalner & Intag	t Present	<u>Damaged</u>
shown in the form fields	above; by the sampler liste	ed above, and was t	ransferred with a tamper				
The sample identified on left of this form, or at the	this form & container was date & time shown below	accepted either at	the DATE/TIME STAMP sl		<u> </u>	įχ	
	this form & container was	accented either at	the DATE/TIME STAMP of	nown in the top			

left of this form, or at the date & time shown below (by the person below), and with a tamper-proof seal......

Signed:

Time:

Date:

EPA: 141002-2011



LIMS Report #:

289000

Request Id:

2484541

Submitter: NMED - Ground Water Quality Bureau

1190 St. Francis Drive

P.O. Box 5469 Santa Fe, NM 87502 Submitter Code:

418

Collector:

EARLE DIXON

User Code:

55321

COC Initiated:

Yes

Condition of Seal:

Not Present

Sample #: Sample Type:

Sample Note:

2014032112

Water, Non-filtered

Sample Condition:

Sample Intact

LSM-35

Date Collected:

10/7/2014 11:30

Date Received:

10/10/2014 16:04

Date Reported:

1/20/2015

CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	3.9 pCi/L	0.8	1.3	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	5.1 pCI/L	1.0	1.7	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	4.6 pCi/L	1.2	2.2	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	4.5 pCi/L	1.2	2.2	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	0.07 pCi/L	0.02	0.02	NPV	903.1
15262-20-1	Ra228, SDWA Method	0.24 pCi/L	0.15	0.26	JLE	904.0
07440-61-1	Uranium, Mass Concentration	6 ug/L	0.6	1.0	JLE	200.8
13966-29-5	U234, by Alpha Spec	2.33 pCi/L	0.12	0.10	JLE	HASL-300
07440-61-1	U238, by Alpha Spec	1.62 pCi/L	0.10	0.05	JLE	HASL-300

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected"; as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the " Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha; 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what is compared to the gross MCI of 15 pCi/L.

REQUEST ID Label R#143 2484541 One Form Per Sample	1101 Cam Albuquei	nino de Salud NE rque, NM 87102 505) 383-9000	One Form Per Samp	CHEMISTRY	RC 132112	e
LAB DATE S	ample Temperatui	re (°C): j7. LLab Rema	nrks:			
	X Field preservat	ion confirmed Prese	erved to pH < 2 at Lab	Date/Initial:	410117	
SUBMITTER CODE/DESCRIPTION: 418 NMED - G	round Water Qu	uality Bureau	O S	AMPLE PRIORI	TY(call lab if	1/2):
OUSER CODE 30120 (ABCWUA) 055000 (NMED-DV					910 (NMED)-SWQB)
OTHER USER CODE (Selectione): 55321 NMED	GWQ Bureau A	batement and Asses	ssment - General F	und		0
SAMPLER NAME (First): EARLE (Last):	DIXON	SAMPLER ID #:	CONTACT	PHONE #: 5	05827289	0
W55 ID # (xxmnnnnnn):	NSS NAME:					
FACILITY/LOCATION:		FACILITY ID:	SAMPLI	NG PT. ID:		
New / Change Address for Submitter>	Name:					
New/Change Address for WSS / Client>	Address, with ZIP:					
Attention To:						
FIELD DATA O Non-chlorinated O Chlorina	ited Residual (m	ng/l): pH:	Conductivity (µS/cm)	Tana	perature (° C	
AND REMARKS Field remarks: LSW - 35		19/1). Prt.	Corradictivity (its/city)	rem	perature (° C,	/
SAMPLE O Filtered water Non-filtered water TYPE O Filter O Tiltered Water O Other, Describe: PRESERVATION None Lab to acidify Shippe OR ACID/BASE	O Soil/Sediment d at < 4 C T HC Other, Describe: Pla (SM 7100B	Sludge O Swipe/S	Sinear O.Air sample H < 2 H + 50 : to pH Beta)		Tissue) Utine
DATE COLLECTED (MINISTED STY). 100 07	14	THINE COLLECTED	7 (1101.3/18/24-(11).	1,>0		
The sample identified on this request form & sample is shown in the form fields above; by the sampler listed	container, was co above, and was to	ransferred with a tamper	Sont			Present & Damaged
By (print): Earle C. Dixon Sign	ed: Eule C	: Difon	~			
	by the non-lab per	rson below), and with a to	amper-proof seal Time:		ġi	۵
The sample identified on this form & container was a left of this form, or at the date & time shown below (by (print): Sign	by the person belo					۵



EPA: 141002-2011



LIMS Report #:

285030

Request ld:

2484542

Submitter: NMED - Ground Water Quality Bureau

1190 St. Francis Drive

P.O. Box 5469

Santa Fe, NM 87502

Submitter Code:

418

Collector:

EARLE DIXON

User Code:

55321

COC Initiated:

Yes

Condition of Seal:

Not Present

Sample #: Sample Type: 2014032103

Water, Non-filtered

Sample Condition:

Sample Intact

Sample Note:

GWQB LSM-36

Date Collected:

10/8/2014 14:40

Date Received:

10/10/2014 16:00

12/16/2014 **Date Reported:**

CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	26.5 pCi/L	1.9	1.6	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	29.5 pCi/L	2.1	1.7	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	6.9 pCi/L	1.7	2.4	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	7.2 pCl/L	1.8	2.5	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	0.04 pCi/L	0.01	0.01	NPV	903.1
15262-20-1	Ra228, SDWA Method	0.09 pCi/L	0.07	0.14	JLE	904.0
07440-61-1	Uranium, Mass Concentration	39 ug/L	3.9	1.0	JLE	200.8
13966-29-5	U234, by Alpha Spec	17.2 pCl/L	0.47	0.05	NPV	HASL-300
07440-61-1	U238, by Alpha Spec	11.2 pCi/L	0.32	0.04	NPV	HASL-300

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the " Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what 1

compared to the gross MCI of 15 pCi/L.

REQUEST IĎ ČÍ 60 R#1	One Form Per Sample	1101 Cam Albuquer	iboratory Division lino de Salud NE rque, NM 87102 505) 383-9000	One Form Per Sample	CHEMISTRY 20140:		e -
LAB USE>>>	DATE << <time< td=""><td>Sample Temperatur</td><td>re (°C): 18. 3 ab Remarks:</td><td></td><td></td><td></td><td></td></time<>	Sample Temperatur	re (°C): 18. 3 ab Remarks:				
ONLY	IN PH 1. 12	ズ Field preservati	ion confirmed Preserved	to pH < 2 at Lab	ate/Initial:	00at14)	DE.
SUBMITTER CODE/DESCR	RIPTION: 418 NMED - (Ground Water Qu	uality Bureau	SAN	PLE PRIORITY	(call lab if	1/2):
		10000000	1ED-GWQB) O64000 (Indivi	, 13		10 (NMED-	
OTHER USER CODE (Se	lect one): 55321 NMED	GWQ Bureau A	batement and Assessme	ent - General Fu	nd		0
SAMPLER NAME (First):	EARLE (Las	t): DIXON	SAMPLER ID #:	CONTACT PH	ONE #: 50	58272890)
WSS ID # (xxxnnnnnnn):		WSS NAME:				NA	-31(2)
FACILITY/LOCATION:			FACILITY ID:	SAMPLING	PT. ID:		
New / Change Address	for Submitter>	Name:					
New / Change Address	for WSS/Client>	Address, with ZIP:		-3 4 . Sanga			
Attention To:	>						
FIELD DATA O Non-	-chlorinated O Chlorin	nated Residual (m	g/l): pH: Con	ductivity (μS/cm):	Tempe	rature (° C)	
AND Field remo			3.4.1				
	NMED monitoring		Non-compliance Split	with facility	Grab sample	Cor	mposite
DOCUMENTATION -	Confirmation Raw wo	ater Finished v	water X Other, Describe	Groundw	ater samples	- LSM	-36
SAMPLE O Filtered water	er Non-filtered water	O Soil/Sediment	O Sludge O Swipe/Smed			Tissue O	
TYPE O Filter	Other, Describe:	norm / H	<u> </u>				
PRESERVATION None	Lab to acidify Shipp	ped at < 4 C HC	I to pH < 2 🔀 HNO3 to pH < 2	H₂SO4 to pH < 2	Ascorbic a	cid Mal	eic acid
ADDED Na2Sz	O3 NaOH to pH > 12	Other, Describe:					
A&M ANALYSES LIST		* 500 500 50 4					0
OR ANALYSES LIST					- 192 <u>193</u>	<u> </u>	0
RC ANALYSES LIST	Gross Alpha and/or B	eta (SM 7100B (Gross Alpha and/or Beta)			0
WC ANALYSES LIST						nette Delega	0
CTAR ANALYSES LIST							, 0
ADDITIONAL ANALYSES	radium-226; radium-2	28; uranium by l	CPMS; uranium-238/ura	nium-234			
DATE COLLECTED (MM-E	DD-Y11: 10 - 06	-14	TIME COLLECTED (HH	1:MM 24-hr): [<	1:40	182	
DATE COLLECTED (MINIS							
	Pi	lease use this CHAIN O	OF CUSTODY FORM to record train	nsfer <u>On Shipp</u> <u>Contain</u>			Present & Damaged
	this request form & sample		lected at the date & time ransferred with a tamper-proc	of seal			
The state of the s			1 Drifon	J1 3501	8 - L		_
		accepted either at t	the DATE/TIME STAMP shown	in the top			
Des Contracts	et	(by the non-lab per ned:	son below), and with a tampe	er-proof seal Time:		Æ	
Veronica '	Wilmot	U.UJ	WMIDI				

The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top

left of this form, or at the date & time shown below (by the person below), and with a tamper-proof seal...... Signed:

By (print):

Time:

Date:

EPA: 141002-2011



LIMS Report #:

285031

Request Id:

2484543

Submitter: NMED - Ground Water Quality Bureau

1190 St. Francis Drive

P.O. Box 5469

Santa Fe, NM 87502

Submitter Code:

418

Collector:

EARLE DIXON

User Code:

55321

COC Initiated:

Yes

Condition of Seal:

Not Present

Sample #:

2014032104

Sample Type:

Water, Non-filtered

Sample Condition:

Sample Note:

Sample Intact

GWQB LSM-41

Date Collected:

10/9/2014 11:37

Date Received:

10/10/2014 16:00

Date Reported:

12/16/2014

CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	0.7 pCi/L	0.6	1.3	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	0.8 pCi/L	0.7	1.4	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	2.6 pCi/L	1.0	2.0	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	2.8 pCi/L	1,1	2.1	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	0.11 pCl/L	0.01	0.01	NPV	903.1
15262-20-1	Ra228, SDWA Method	0.10 pCi/L	0.06	0.14	JLE	904.0
07440-61-1	Uranium, Mass Concentration	<1 ug/L	0.5	1.0	JLE	200.8
13966-29-5	U234, by Alpha Spec	0.02 pCi/L	0.01	0.03	NPV	HASL-300
07440-61-1	U238, by Alpha Spec	0.01 pCi/L	0.01	0.02	NPV	HASL-300

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the " Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to compared to the gross MCI of 15 pCi/L.

12/16/2014 **Print Date:** Confidential Page 1 of 1

RECEIVED

DEC. 2014

2484543	One Form Per Sample	1101 Cam Albuquer	ino de Salud NE que, NM 87102 505) 383-9000	One Forn Per Samp	n 30	MSTRY RC MEMANININININININININININININININININININI	
LAB USE>>>	DATE S	ample Temperatur	e (°C): 17,9Lab Remar	rks:			
ONLY 1/ OCT 10 PM	STAMP I	🗙 Field preservati	on confirmed Preser	ved to pH < 2 at Lab	Date/Initio	11: 100di	4/00
SUBMITTER CODE/DESCRIP	1 12	round Water Qu	iality Bureau	0	SAMPLE PRI	IORITY(call lab	if 1 /2):
OUSER CODE 30120 (ABCW						O55910 (NME	
OTHER USER CODE (Select							0
	EARLE (Last):		SAMPLER ID #:	The state of the s	PHONE #:	505827289	
WSS ID # (xxnnnnnnnn):		WSS NAME:			- · · · · · · · · · · · · · · · · · · ·	00002.20	50
FACILITY/LOCATION:			FACILITY ID:	SAMPL	ING PT. ID:		
New / Change Address for New / Change Address for Attention To:		Name: Address, with ZIP:					
SAMPLING DOCUMENTATION Consample Officered water Type Filter	nfirmation Raw wate Non-filtered water Other, Describe: Lab to acidify Shipped	Compliance Compliance Finished w	Non-compliance	mear O Air sampi	Grab sar dwater san le O Blood	mples : LS i	Composite M - 41 O Urine
A&M ANALYSES LIST							0
OR ANALYSES LIST							0
RC ANALYSES LIST G	ross Alpha and/or Be	ta (SM 7100B 0	Gross Alpha and/or B	eta)			0
WC ANALYSES LIST							0
CTAR ANALYSES LIST							0
ADDITIONAL ANALYSES a	dium-226; radium-22	8; uranium by 10	CPMS; uranium-238/	uranium-234			
DATE COLLECTED (MM-DD-	m: 10-09-	-14	TIME COLLECTED	(HH:MM 24-hr):	11:37	<u> </u>	
The sample identified on this shown in the form fields about the form fields about the form fields about the form fields and fields. The sample identified on this	request form & sample ove; by the sampler listed	container, was coll above, and was tre ed: Earle	ansferred with a tamper-	<u>Con</u> : proof seal	tainer & Ir	esent Not ntact Present	Present & Damaged
left of this form, or at the dat	e & time shown below (b	y the non-lab per	son below), and with a ta-	mper-proof seal			

Date:

Date:

Time:

Time:

Signed:

left of this form, or at the date & time shown below (by the person below), and with a tamper-proof seal....

Signed:

The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top

By (print):

By (print):

Veronica Wilmot



EPA: 141002-2011



LIMS Report #:

A

285037

Request ld:

2484544

Submitter: NMED - Ground Water Quality Bureau

1190 St. Francis Drive

P.O. Box 5469

Santa Fe, NM 87502

Submitter Code:

418

Collector:

EARLE DIXON

User Code:

55321

COC Initiated:

Yes

Condition of Seal:

Not Present

Sample #: Sample Type: 2014032110

Water, Non-filtered

Sample Condition:

Sample Note:

Sample Intact

GWQB LSM-42

Date Collected:

10/8/2014 14:22

Date Received:

10/10/2014 16:04

Date Reported:

12/16/2014

CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	10.2 pCi/L	1,1	1.4	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	12.6 pCi/L	1.4	1.7	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	12.8 pCi/L	1.4	2.1	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	13.0 pCi/L	1.4	2.1	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	2.43 pCi/L	0.08	0.01	NPV	903.1
15262-20-1	Ra228, SDWA Method	3.07 pCi/L	0.33	0.15	JLE	904.0
07440-61-1	Uranium, Mass Concentration	7 ug/L	0.7	1.0	JLE	200.8
13966-29-5	U234, by Alpha Spec	5.3 pCi/L	0.17	0.05	NPV	HASL-300
7440-61-1	U238, by Alpha Spec	1.7 pCi/L	0.08	0.04	NPV	HASL-300

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the " Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what is 15 16 17 18 compared to the gross MCI of 15 pCi/L.

RECEIVED

DEC. 2014

REQUEBT 10 Labor R#143 2484544 One Form Per Sample	1101 Can Albuque	nino de Salud NE rque, NM 87102 505) 383-9000	One For Per Sam	- Bill	MISTRY RC 114032110	3
LAB DATE USE>>> << <time< td=""><td>Dannale Lennaerara</td><td>re (°C): 17. Flab Ren</td><td>narks:</td><td></td><td></td><td></td></time<>	Dannale Lennaerara	re (°C): 17. Flab Ren	narks:			
ONLY 14 OCT 10 PH 1: 14 STAMP	Field preservat	ion confirmed Pre	served to pH < 2 at La	b Date/Initio	al: 100xt	14/00
SUBMITTER CODE/DESCRIPTION: 418 NMED -	Ground Water Q	uality Bureau	0	SAMPLE PR	IORITY(call lab i	f1/2):
OUSER CODE 30120 (ABCWUA) O55000 (NMED	-DWB) O55410 (NA	MED-GWQ8) 064000	(Individual client fee-	for-service)	O55910 (NMEL	D-SWQB)
OTHER USER CODE (Select one): 55321 NME	D GWQ Bureau A	batement and Asse	essment - Genera	Fund		0
SAMPLER NAME (First): EARLE (Lo	ost): DIXON	SAMPLERID #	CONTAC	T PHONE #:	505827289	0
WSS ID # (xxnnnnnnn):	WSS NAME:			93 28 - 79		
FACILITY/LOCATION:		FACILITY ID:	SAMP	LING PT. ID:		
New / Change Address for Submitter	> Name:		*:			
New / Change Address for WSS / Client ————————————————————————————————————	> Address, with ZIP:	1				
AND	inated Residual (m	g/l): pH:	Conductivity (µS/cr	n):	Temperature (° C)
REMARKS Field remarks:	Compliance	Non-compliance	Split with facility	Grab sai	mple Co	omposite -42
SAMPLE O Filtered water Non-filtered water TYPE O Filter O Other, Describe:	O Soil/Sediment	O Sludge O Swipe		ole O Blood		
PRESERVATION None Lab to acidify Ship OR ACID/BASE ADDED Na2S2O3 NaOH to pH > 12		I to pH < 2 ▼ HNO₃ to	pH < 2 H2SO4 to p	H < 2 Asco	orbic acid Ma	leic acid
A&M ANALYSES LIST						0
OR ANALYSES LIST			<u> </u>			0
RC ANALYSES LIST Gross Alpha and/or	Beta (SM 7100B	Gross Alpha and/or	Beta)	*		0
WC ANALYSES LIST						0
CTAR ANALYSES LIST						0
ADDITIONAL ANALYSES adjum-226; radjum-	228; uranium by I	CPMS; uranium-23	8/uranium-234			
DATE COLLECTED (MM-DD-YY): 10 - 08	-14	TIME COLLECTE	D (HH:MM 24-hr):	14:2	2	
	Please use this CHAIN C	F CUSTODY FORM to rec			esent Not ntact Present	Present & Damaged
The sample identified on this request form & samp shown in the form fields above; by the sampler list $8y(print)$: $Earle C.D.Xon$	ed above, and was tr		ne		a a	
The sample identified on this form & container wa left of this form, or at the date & time shown below By (print): Veronica Wilmot Si						
The sample identified on this form & container wa left of this form, or at the date & time shown belov By (print): Si	5			<u> </u>	a	٥



EPA: 141002-2011



LIMS Report #:

285035

Request ld:

2484545

Submitter: NMED - Ground Water Quality Bureau

1190 St. Francis Drive

P.O. Box 5469

Santa Fe, NM 87502

Submitter Code:

418

Collector:

EARLE DIXON

User Code:

55321

COC Initiated:

Yes

Condition of Seal:

Not Present

Sample #: Sample Type: 2014032108

Water, Non-filtered

Sample Condition:

Sample Note:

Sample Intact

GWQB LSM-43

Date Collected:

10/6/2014 14:05

Date Received: Date Reported: 10/10/2014 16:03 12/16/2014

CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	4.3 pCi/L	0.9	1.2	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	5.5 pCi/L	1.1	1.5	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	3.9 pCi/L	1.0	1.6	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	4.0 pCi/L	1.0	1.7	DM	SM 7110 B
3982-63-3	Ra226, SDWA Method	0.08 pCi/L	0.01	0.01	NPV	903.1
5262-20-1	Ra228, SDWA Method	-0.11 pCi/L	0.08	0.14	JLE	904.0
7440-61-1	Uranium, Mass Concentration	5 ug/L	0.5	1.0	JLE	200.8
3966-29-5	U234, by Alpha Spec	2.9 pCl/L	0.09	0.02	NPV	HASL-300
7440-61-1	U238, by Alpha Spec	1.3 pCi/L	0.05	0.02	NPV	HASL-300

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the " Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what 16 17 18 compared to the gross MCI of 15 pCI/L.

RECEIVED

DEC 2014

2484	545	3 One Form Per Sample		1101 Cam Albuque	iboratory Div iino de Salud rque, NM 871 505) 383-900	NE 02	One Fo		CHEMISTRY 20140		-
LAB USE>>> ONLY	. 14.00	<<<	TIME	mple Temperatui Field preservat	1, / //		to pH < 2 at L	ab Date	/Initial:	obat	14/00
SUBMITTER CO	DDE/DESCI	RIPTION: 418 NM	<u>∠</u> ED - Gro	und Water Qu	uality Bureau		C	SAMPL	E PRIORIT	((call lab i	f1/2):
		CWUA) O55000 (I									
		lect one): 55321 I							1-		0
SAMPLER NAM	NE (First):	EARLE	(Last):	DIXON	SAMPL	ERID#:	CONTA	CT PHON	E#: 50	5827289	
WSS ID # (xxnn	nnnnn):	11 1 top top	ws	S NAME:			,		1 00.		
FACILITY/LOC	ATION:				FACILITY ID:		SAM	PLING P1	.ID:		
New/Chan	ge Address	for Submitter ———	>	Name:							
New/Chan	ge Address	for WSS/Client	> Ac	dress, with ZIP:							
Attention To	o:	- 44 - 52 - 54 - 54 - 54 - 54 - 54 - 54	> T	· · · · · · · · · · · · · · · · · · ·	1						
FIELD DATA	TO #										
AND			Chlorinate		ig/l): pl	f: Cone	ductivity (μ5/	cm):	Tempe	erature (° C)
REMARKS	Field rem	1 1	1	1				F .			
SAMPLING DOCUMENTAT	TION -	NMED monitoring		mpliance	Non-complian		with facility		ab sample		omposite
			Raw water			her, Describe:	T GIO		r samples		
TVOE	iltered wate ilter	O Other, Desc		Soil/Sediment	O Sludge C) Swipe/Smea	r O Air san	nple O E	Blood O	Tissue) Urine
PRESERVATIO OR ACID/BASE ADDED		Lab to acidify NaOH to pH:			itopH < 2 🔀 H	INO3 to pH < 2	H2SO4 to	pH < 2	Ascorbic a	cid Ma	leic acid
A&M ANALYS	ECLICT										0
OR ANALYSES	V2.55 1 5 1 24-54 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0						· · · · · · · · · · · · · · · · · · ·				0
RC ANALYSES		Gross Alpha an	d/or Beta	(SM 7100B)	Gross Alpha	and/or Beta))	F. 1			0
WC ANALYSES				.,							0
CTAR ANALY								2410-14			0
ADDITIONAL		radium-226; rad	ium-228;	uranium by I	CPMS; urani	um-238/urar	nium-234				
DATE COLLEC	TED (MM-D	10-YY): 10 -	06-	14	TIME CO	LLECTED (HH:	MM 24-hr):	14:	05		
	5460 50			use this CHAIN C			D00000000	Shipping ontainer	Present & Intact	Not Present	Present & Damaged
shown in the fo	orm fields a	this request form & bove; by the samp		oove, and was to			of seal				_
The sample ide left of this form By (print):	entified on n, or at the	this form & contain date & time shown		the non-tab per				_	а	X	۵
The sample ide	entified on	this form & contain date & time shown		the person belo				٥	<u> </u>		۵

EPA: 141002-2011



LIMS Report #:

285036

Request Id:

2484546

Submitter: NMED - Ground Water Quality Bureau

1190 St. Francis Drive

P.O. Box 5469 Santa Fe, NM 87502 Submitter Code:

418

Collector:

EARLE DIXON

User Code:

55321

COC Initiated:

Yes

Condition of Seal:

Not Present

Sample #: Sample Type: 2014032109

Water, Non-filtered

Sample Condition:

Sample Intact

Date Collected:

10/6/2014 15:05

Date Received:

10/10/2014 16:03

Date Reported:

12/16/2014

Sample Note:

GWQB LSM-44

CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	3.0 pCi/L	0.6	1.0	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	3.6 pCi/L	0.8	1.2	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	4.7 pCi/L	0.9	1.6	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	4.8 pCI/L	0.9	1.6	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	0.08 pCi/L	0.01	0.01	NPV	903.1
15262-20-1	Ra228, SDWA Method	0.04 pCi/L	0.08	0.15	JLE	904.0
07440-61-1	Uranium, Mass Concentration	4 ug/L	0.5	1.0	JLE	200.8
13966-29-5	U234, by Alpha Spec	2.1 pCi/L	0.07	0.02	NPV	HASL-300
07440-61-1	U238, by Alpha Spec	0.92 pCi/L	0.04	0.02	NPV	HASL-300

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the " Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what compared to the gross MCI of 15 pCI/L. RECEIVED

DEC. 2014

REQUEST ID-Label R#143 2484546 One Form Per Sample	1101 Camino de Salud NE Albuquerque, NM 87102 Phone (505) 383-9000	One Form CHEMISTRY RC Per Sample 20,14032109
LAB DATE USE>>> Sam	ple Temperature (°C): 17. 4Lab Rema	rks:
ONLY STAMP	Field preservation confirmed Preser	rved to pH < 2 at Lab Date/Initial: 150 + 14 me
14 OCT 0 PM 12 PM 12 PM 14 PM 15 PM	und Water Quality Bureau	SAMPLE PRIORITY(call lab if 1/2):
OUSER CODE 30120 (ABCWUA) 055000 (NMED-DWB)	O55410 (NMED-GWQB) O64000 (III	ndividual client fee-for-service) O55910 (NMED-SWQB)
© OTHER USER CODE (Select one): 55321 NMED GW	VQ Bureau Abatement and Asses	sment - General Fund
SAMPLER NAME (First): EARLE (Last):	DIXON SAMPLERID #:	CONTACT PHONE #: 5058272890
WSS ID # (xxnnnnnnn): WSS	S NAME:	
FACILITY/LOCATION:	FACILITY ID:	SAMPLING PT. ID:
New/Change Address for Submitter> New/Change Address for WSS/Client> Add Attention To:>	Name: dress, with ZIP:	
FIELD DATA O Non-chlorinated O Chlorinated	Residual (mg/l): pH:	Conductivity (µS/cm): Temperature (°C)
REMARKS Field remarks: LSM-44		
SAMPLE O Filtered water Non-filtered water O Filter O Other, Describe:	Finished water \square Other, Desc Soil/Sediment \square Sludge \square Swipe/S	Torona ratio samples : 11
No.		
A&M ANALYSES LIST		•
OR ANALYSES LIST	/OV.74000 O	•
	(SM 7100B Gross Alpha and/or B	
WC ANALYSES LIST		0
ADDITIONAL ANALYSES III COO III COO		<u> </u>
ADDITIONAL ANALYSES radium-226; radium-228; r	uranium by ICPMS; uranium-238/	uranium-234
DATE COLLECTED (MM-DD-YY): 10 - 06 - 1	4 TIME COLLECTED	(HH:MM 24-hr): 15:05
Please The sample identified on this request form & sample con	use this CHAIN OF CUSTODY FORM to record	Container & Intact Present Damaged
shown in the form fields above; by the sampler listed abo		
The sample identified on this form & container was accelleft of this form, or at the date & time shown below (by the sample is signed:	he non-lab person below), and with a ta	mper-proof seal
The sample wentified on this form & container was accelleft of this form, or at the date & time shown below (by the street of this form): Signed:	he person below), and with a tamper-pr	

| SCIENTIFIC LADORATORY DIVISION |

EPA: 141002-2011



LIMS Report #:

289003

Request ld:

2484547

Submitter: NMED - Ground Water Quality Bureau

1190 St. Francis Drive

P.O. Box 5469 Santa Fe, NM 87502 **Submitter Code:**

418

Collector:

EARLE DIXON

User Code:

55321

COC Initiated:

Yes

Condition of Seal:

Not Present

Sample #: Sample Type:

Sample Note:

2014032115

Sample Condition:

Water, Non-filtered Sample Intact

LSM-45

Date Collected:

10/6/2014 15:55

Date Received:

10/10/2014 16:06

Date Reported:

1/20/2015

CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	8.6 pCi/L	1.0	1.2	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	10.5 pCl/L	1.2	1.5	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	7.2 pCi/L	1.2	2.1	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	7.4 pCi/L	1.2	2.2	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	0.18 pCi/L	0.01	0.01	NPV	903.1
15262-20-1	Ra228, SDWA Method	-0.06 pCi/L	0.08	0.14	JLE	904.0
07440-61-1	Uranium, Mass Concentration	12 ug/L	1.2	1.0	JLE	200.8
13966-29-5	U234, by Alpha Spec	5.76 pCi/L	0.16	0.017	JLE	HASL-300
07440-61-1	U238, by Alpha Spec	3.40 pCi/L	0.10	0.012	JLE	HASL-300

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the " Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha; 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what is compared to the gross MCI of 15 pCi/L.

REQUEST 10 Lebel R#1- 2484547 	One Form Per Sample DATE << <time< th=""><th>1101 Cam Albuquei</th><th>1/1/1</th><th>One Per</th><th>Form Sample</th><th></th><th>32115 20115</th><th></th></time<>	1101 Cam Albuquei	1/1/1	One Per	Form Sample		32115 20115	
SUBMITTER CODE/DESCR	RIPTION: 418 NMED -	Ground Water Qu	uality Bureau		SAMPLE	PRIORITY	(call lab if 1	
OUSER CODE 30120 (AB	CWUA) 055000 (NMED-	DWB) 055410 (NN	1ED-GWQB) O	54000 (Individual clien			10 (NMED-	
OTHER USER CODE (Se	lectone): 55321 NMEI	O GWQ Bureau A	batement and	Assessment - Ger	eral Fund			0
SAMPLER NAME (First):	EARLE (La	st): DIXON	SAMPLE	RID#: CON	TACT PHONE	#: 50	58272890	
WSS ID # (xxnnnnnnn):		WSS NAME:						
FACILITY/LOCATION:			FACILITY ID:	S	AMPLING PT.	ID:		
New / Change Address	for Submitter>	Name:						
New/Change Address	for WSS / Client	Address, with ZIP:					1 -	
Attention To:					PAR desi		normal	
	-chlorinated O Chlori	nated Residual (m	pH:	Conductivity ((S/cm);	Tempe	rature (° C)	T
REMARKS Field rem	arks: LSIM-4	-5						
DOCUMENTATION	NMED monitoring	Compliance	Non-compliance			b sample		nposite
DOCOMENTATION	Confirmation Raw w				roundwater		LSM	-45
TYPE O Filter	Non-filtered water O Other, Describe:	O Soil/Sediment	O Sludge O	Swipe/Smear OAir	sample O El	ood O	Tissue O	Urine
PRESERVATION None OR ACID/BASE ADDED NaiSe			ItopH < 2 区 HI	VO₃ to pH < 2	to pH < 2 []	Ascorbi c a	cid Male	ic acid
A&M ANALYSES LIST	I							0
OR ANALYSES LIST								0
RC ANALYSES LIST	Gross Alpha and/or B	Beta (SM 7100B	Gross Alpha a	nd/or Beta)				0
WC ANALYSES LIST							· · · · · · · · · · · · · · · · · · ·	0
CTAR ANALYSES LIST				744 4 4 4		116 Thuis		0
ADDITIONAL ANALYSES	radium-226; radium-2	228; uranium by l	CPMS; uraniu	m-238/uranium-23	4			
DATE COLLECTED (AIM-L	00-17): 10-06	-14	TIME COL	LECTED (HH.MA124-h)	15:	55		
		Please use this CHAIN C	F CUSTODY FORM	A to record transfer	On Shipping	Present	Not	Present &
The sample identified on	this request form & samn	le container, was col	lected at the dat	e & time	Container	&Intact	Present	Damaged
shown in the form fields	above; by the sampler list		ransferred with a					
The sample identified on left of this form, or at the By (print): Veronic	this form & container was date & time shown below ca Wilmot	s accepted either at a (by the non-lab per gned:	the DATE/TIME S rson below), and Lmst	with a tamper-proof s Date: Tim	eal []		đị.	
The sample identified on	this form & container was	s accepted either at	the DATE/TIME S	TAMP shown in the to	р			

left of this form, or at the date & time shown below (by the person below), and with a tamper-proof seal.....

Signed:

By (print):



Time:

Date:

EPA: 141002-2011



LIMS Report #:

289004

Request Id:

2484548

Submitter: NMED - Ground Water Quality Bureau

1190 St. Francis Drive

P.O. Box 5469

Santa Fe, NM 87502

Submitter Code:

Collector: **User Code:** **EARLE DIXON**

55321

418

COC initiated:

Yes

Condition of Seal:

Not Present

Sample #:

2014032116

Sample Type:

Water, Non-filtered

Sample Condition:

Sample Intact

LSM-46

Date Collected:

10/8/2014 15:23

Date Received:

10/10/2014 16:06

Date Reported: 1/20/2015

Sample Note:

CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	8.2 pCi/L	1,2	1.8	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	10.1 pCl/L	1.4	2.2	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	14.9 pCi/L	1.6	2.7	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	15.3 pCi/L	1.7	2.8	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	0.25 pCi/L	0.01	0.01	NPV	903.1
15262-20-1	Ra228, SDWA Method	0.07 pCi/L	0.07	0.14	JLE	904.0
07440-61-1	Uranium, Mass Concentration	20 ug/L	2.0	1.0	JLE	200.8
13966-29-5	U234, by Alpha Spec	9.50 pCi/L	0.27	0.043	JLE	HASL-300
07440-61-1	U238, by Alpha Spec	5.68 pCi/L	0.18	0.022	JLE	HASL-300
07440-61-1	U238, by Alpha Spec	5.68 pCi/L	0.18	0.022	JLE	HASL-3

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the " Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what is compared to the gross MCI of 15 pCi/L.

	1.00.00000.7.						
REQUEST ID Cabel R#143 2484548 One Form Per Sample	1101 Cam Albuquei	ino de Salud NE que, NM 87102 505) 383-9000	One Fo Per San	rm	MISTRY	RC 	-
LAB DATE USE>>> << <time< td=""><td>Sample Temperatur</td><td>re (°C): 17,9 Lab Ren</td><td>narks:</td><td></td><td></td><td></td><td></td></time<>	Sample Temperatur	re (°C): 17,9 Lab Ren	narks:				
ONLY 14 OCT 10 PH 1: 14 STAMP	X Field preservat	ion confirmed Pre	eserved to pH < 2 at La	ab Date/Init	tial:	DM	
SUBMITTER CODE/DESCRIPTION: 418 NMED -	Ground Water Or	iality Burgau		SAMPLE D	DIADITY		
OUSER CODE 30120 (ABCWUA) O55000 (NMED-			Constitution of all and Cons	SAMPLE P		O (NMED	
© OTHER USER CODE (Select one): 55321 NMED					O5591	UNMED	
						All the State and September 1995	Ø
SAMPLER NAME (First): EARLE (La:	T	SAMPLERID #	F: CONTAC	CT PHONE #	505	8272890)
WSS ID # (xxnnnnnan):	WSS NAME:						
FACILITY/LOCATION:		FACILITY ID:	SAM	PLING PT. IC):		
New / Change Address for Submitter>				THE PROPERTY.			
New/Change Address for WSS/Client	Address, with ZIP:						
Attention To:	>						
FIELD DATA O Non-chlorinated O Chlori	nated Residual (m	g/l): pH:	Conductivity (u.S/c	m):	Temper	gture (® C)	
REMARKS Field remarks: LSVM -		- 1			1		
SAMPLING X NAED monitoring		Non-compliance	Split with facility	Grabs	ample	IT Co	mposite
DOCUMENTATION Confirmation Raw W				ındwater s			
SAMPLE O Filtered water Mon-filtered water	O Soil/Sediment		1 - 0.00	ple O Bloo		100) Urine
TYPE O Filter O Other, Describe:		Jo may Jo my					
PRESERVATION None Lab to acidify Ship	pedat<4C F HC	ItopH < 2 X HNOs to	nH < 2 H25O4 to	pH < 2 As	corbic ac	id Ma	leic acid
OR ACID/BASE ADDED NaiS2O: NaOH to pH > 12	Other, Describe:	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	7				1616 616161
ADDED I MIGHT PARTY II	States States						
A&M ANALYSES LIST							0
OR ANALYSES LIST							0
RC ANALYSES LIST Gross Alpha and/or I	Beta (SM 7100B	Gross Alpha and/or	r Beta)				0
WC ANALYSES LIST							0
CTAR ANALYSES LIST							0
ADDITIONAL ANALYSES adium-226; radium-	228; uranium by I	CPMS; uranium-23	38/uranium-234				
DATE COLLECTED (MM-DD-YY): 10 - 08	14	TIME COLLECT	ED (HH:MM 24-hr):	15:2	7 7		
DATECOLLECTED (MINI-DC-17). 10 = 0 8	,=1-1	Time coerect	ED (NE).NIN(24-10).	1202	. >		
	Please use this CHAIN C	F CUSTODY FORM to re-			Present & Intact	Not	Present & Danjaged
The sample identified on this request form & samp			me			Present	
shown in the form fields above; by the sampler list			er-proof seal				
	gned: Enlect						
The sample identified on this form & container was left of this form, or at the data & time shown below the container was left of this form. Or at the data & time shown below the container will be a supply the container was left to the container was lef	s accepted either at the solution of the solut	tne DATE/TIME STAMP rson below), and with a	snown in the top a tamper-proof seal			X	
By (print): Veronica Wilmot SI	gned: 26	lmet Date:	Time:				

The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top

left of this form, or at the date & time shown below (by the person below), and with a tamper-proof seal...... Signed:

By (print):



Time:

Date:

EPA: 141002-2011



LIMS Report #:

289002

Request Id:

2484549

Submitter: NMED - Ground Water Quality Bureau

1190 St. Francis Drive

P.O. Box 5469

Santa Fe, NM 87502

Submitter Code:

Collector:

EARLE DIXON

User Code:

55321

418

COC Initiated:

Yes

Condition of Seal:

Not Present

Sample #:

2014032114

Sample Type:

Water, Non-filtered Sample Intact

Sample Condition:

Sample Note:

LSM-47

Date Collected:

10/7/2014 12:40

Date Received: Date Reported: 10/10/2014 16:05

1/20/2015

CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	23.1 pCVL	1.7	1.2	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	28.5 pCi/L	2.1	1.5	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	8.8 pCi/L	1.4	2.1	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	8.9 pCVL	1.5	2.2	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	0.04 pCi/L	0.01	0.01	NPV	903.1
5262-20-1	Ra228, SDWA Method	-0.10 pCi/L	0.07	0.14	JLE	904.0
7440-61-1	Uranium, Mass Concentration	30 ug/L	3.0	1.0	JLE	200.8
13966-29-5	U234, by Alpha Spec	19.58 pCi/L	0.60	0.056	JLE	HASL-300
7440-61-1	U238, by Alpha Spec	8.35 pCi/L	0.29	0.037	JLE	HASL-300

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the " Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha; 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what is compared to the gross MCI of 15 pCi/L.

0 10 0 10 0 2 0 2 6 10 0 2 6 0 0 4 9 10 P1 9 1 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	One Form er Sample	1101 Cam Albuquer	ino de Salud NE que, NM 87102 505) 383-9000	One For Per San	rene Pi	HEMISTRY 2014N	32114	`;
LAB	DATE Sam	ple Temperatur	e (°C): 18. Lab Re	marks:				
USE>>> ONLY	STAMP X	Field preservati	ion confirmed Pr	reserved to pH < 2 at La	b Date/Ir	nitial:	DM	
SUBMITTER CODE/DESCRIPTION	N: 418 NMED - Grou	ınd Water Qu	uality Bureau	0	SAMPLE	PRIORITY	(call lab if	1/2):
OUSER CODE 30120 (ABCWUA)	O55000 (NMED-DWB)	O55410 (NM	IED-GWQB) O 6400	0 (Individual client fee-	for-service	O559	10 (NMED	-SWQB)
OTHER USER CODE (Select one	e): 55321 NMED GV	VQ Bureau A	batement and Ass	sessment - Genera	Fund			0
SAMPLER NAME (First): EAF	RLE (Last):	DIXON	SAMPLERID	#: CONTAC	T PHONE	#: 505	827289	0
WSS ID # (xxnnnnnnnn):	WS	S NAME:						
FACILITY/LOCATION:	2000000		FACILITY ID:	SAME	LING PT.	D:		
New / Change Address for Sub	mitter>	Name:						
New / Change Address for WS	S/Client> Add	dress, with ZIP:						
Attention To:	>							
FIELD DATA O Non-chlorin	nated O Chlorinated	d Residual (m	g/l): pH:	Conductivity (µS/c	m):	Tempe	rature (° C)	
REMARKS Field remarks:	LSM-47							
SAMPLE O Filtered water TYPE O Filter O PRESERVATION None Lot OR ACID/BASE ADDED Na25203 A&M ANALYSES LIST OR ANALYSES LIST RC ANALYSES LIST WC ANALYSES LIST Gros	mation Rawwater	t < 4 C	O Sludge O Swi	opH < 2 H2SO4 to p	ndwater	ood O	Tissue C	leic acid
CTAR ANALYSES LIST								0
ADDITIONAL ANALYSES adiu	m-226; radium-228;	uranium by I	CPMS; uranium-2	38/uranium-234				
DATE COLLECTED (MM-DD-YY):	10-07-	14	TIME COLLEC	TED (HH:MM 24-hr):	12:4	40		
The sample identified on this rec	quest form & sample cor	ntainer, was col		ime <u>Cc</u>	Shipping ontainer	Present & Intact	<u>Not</u> Etezent	Present & Damaged
By (print): Earle C. I	DIXON Signed	Earle (C. Difon					
The sample identified on this for left of this form, or at the date & By [print]: Veronica Wilm	time shown below (by to Signed:	the non Tab par	son below), and with	a tamper-proof seal : Time:			УX	
The sample identified on this for left of this form, or at the date & By (print):		the person belo		er-proof seal	<u> </u>			٥

EPA: 141002-2011



RECEIVED

DEC. 2014

LIMS Report #:

No. of the Land

285038

Request Id:

2484550

Submitter: NMED - Ground Water Quality Bureau

1190 St. Francis Drive

P.O. Box 5469

Santa Fe, NM 87502

Submitter Code:

418

Collector:

EARLE DIXON

User Code:

55321

COC Initiated:

Yes

Condition of Seal:

Not Present

Sample #:

Sample Note:

2014032111

Sample Type: Water, Non-filtered

Sample Condition:

Sample Intact

GWQB LSM-49

Date Collected:

10/7/2014 16:25

Date Received:

10/10/2014 16:04

Date Reported:

12/16/2014

CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	30.1 pCi/L	2.0	1.9	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	36.1 pCI/L	2,5	2.3	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	27.6 pCi/L	2.2	2.8	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	28.6 pCi/L	2.2	2.9	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	0.06 pCi/L	0.01	0.01	NPV	903.1
5262-20-1	Ra228, SDWA Method	0.09 pCi/L	0.08	0.14	JLE	904.0
7440-61-1	Uranium, Mass Concentration	66 ug/L	6.6	1.0	JLE	200.8
13966-29-5	U234, by Alpha Spec	21.6 pCi/L	0.63	0.10	NPV	HASL-300
7440-61-1	U238, by Alpha Spec	16.8 pCi/L	0.50	0.07	NPV	HASL-300

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the " Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what is 15 16 17 18 compared to the gross MCI of 15 pCi/L.

REQUEST TO Label R#143 2484550 One Fo	orm 1101 Ca Albuque Phone	aporatory Division mino de Salud NE erque, NM 87102 (505) 383-9000	One Form Per Sample	CHEMISTRY 201403	LED TO BURNIUS CO. E. R. I.	e -
LAB USE>>>	DATE Sample Temperate	ure (°C): 17. Zab Remarks:				
ONLY 14 OCT 10 PH 1:	STAMP Field preserve	ation confirmed Preserved	to pH < 2 at Lab Date	/Initial: 11	1 to De	+ love
SUBMITTER CODE/DESCRIPTION: 418	NIMED Ground Water (Quality Purson	O CAMPI	E PRIORITY	/a=11 l=1=16	1./25
					1	
OUSER CODE 30120 (ABCWUA) 0550				ce) U559	10 (NMED	-SWQB)
© OTHER USER CODE (Select one): 553						_0
SAMPLER NAME (First): EARLE	(Last): DIXON	SAMPLER ID #:	CONTACT PHON	E#: 505	8272890	2
WSS ID # (xxnnnnnnnn):	WSS NAME:					
FACILITY/LOCATION:		FACILITY ID:	SAMPLING P	T. ID:		
New / Change Address for Submitter –	> Name	:				
New / Change Address for WSS / Clien	t> Address, with ZIP	:	A			
Attention To:	>	ν,				
FIELD DATA Non-chloringted	O Chlorinated Residual (- //\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	description (o. E/ama).	T		
AND		mg/l): pH: Con	ductivity (µS/cm):	rempe	rature (°C)	
	M-49					
SAMPLING NMED monitor		- 7.3 70.0 M (1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	7.000 p. 10.70	ab sample		mposite
Commutation	Raw water Finished		around water			
SAMPLE O Filtered water Non-filt	ered water O Soil/Sedimen	nt O Sludge O Swipe/Smea	r O Air sample O	Blood O	Tissue C) Urine
TYPE O Filter O Other,	The state of the s					. 11
OR ACID/BASE None Lab to acid	ify Shipped at < 4 C F	C to pH < 2 $ X $ HNO3 to pH < 2	H ₂ SO ₄ to pH < 2	Ascorbic ac	id Ma	leic acid
	pH > 12 Other, Describe:			-		
A&M ANALYSES LIST						0
OR ANALYSES LIST					284	0
	a and/or Beta (SM 7100F	Gross Alpha and/or Beta		Per AV		0
	Tandroi Deta (OM 7 100E	Caroso rupita attaron Bota,				
WC ANALYSES LIST						0
CTAR ANALYSES LIST						0
ADDITIONAL ANALYSES adium-226;	; radium-228; uranium by	ICPMS; uranium-238/ura	nium-234		-	
DATE COLLECTED (MM-DD-YY):	-07-14	TIME COLLECTED (HH.	MM 24-hr): 16:	25		
	Please use this CHAIN	OF CUSTODY FORM to record tran			Not	Present &
The sample identified on this request for	rm & sample container, was c	ollected at the date & time	Container	& Intact	<u>Present</u>	Damaged
shown in the form fields above; by the se Bx (print): Earle C. Dixo	ampler listed above, and was		f seal			0
The sample identified on this form & corleft of this form, or at the date & time should be a should be					M	

The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top

left of this form, or at the date & time shown below (by the person below), and with a tamper-proof seal.....

Signed:

By (print):



Time:

Date:

EPA: 141002-2011



LIMS Report #:

289005

Request Id:

2484551

Submitter: NMED - Ground Water Quality Bureau

1190 St. Francis Drive

P.O. Box 5469 Santa Fe, NM 87502 Submitter Code:

418

Collector:

EARLE DIXON

User Code:

55321

COC Initiated:

Yes

Condition of Seal:

Not Present

Sample #: Sample Type:

Sample Note:

2014032117

Water, Non-filtered

Sample Intact

Sample Condition:

LSM-50

Date Collected:

10/9/2014 10:18

Date Received:

10/10/2014 16:07

Date Reported:

1/20/2015

CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	54.7 pCi/L	3,2	1.9	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	68.1 pCI/L	3.9	2.3	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	49.9 pCi/L	3.2	2.8	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	50.8 pCI/L	3.3	2.8	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	0.03 pCi/L	0.01	0.02	NPV	903.1
5262-20-1	Ra228, SDWA Method	-0.06 pCi/L	0.08	0.14	JLE	904.0
7440-61-1	Uranium, Mass Concentration	140 ug/L	14	5.0	JLE	200.8
13966-29-5	U234, by Alpha Spec	54.12 pCi/L	1.66	0.22	JLE	HASL-300
7440-61-1	U238, by Alpha Spec	40.52 pCi/L	1.29	0.13	JLE	HASL-300

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the " Gross Alpha w/U-nat Reference" value is greater than 7.5 pCl/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what is compared to the gross MCI of 15 pCi/L.

2484551 One Form Per Sample	1101 Cam Albuquei	nino de Salud NE rque, NM 87102 505) 383-9000	One Form Per Samp	te 2014	n32117	
LAB DATE USE>>> << <time 10="" 14="" 14<="" 1:="" oct="" only="" ph="" td=""><td></td><td>11.1.)</td><td>marks: eserved to pH < 2 at Lab</td><td>Date/Initial:</td><td>10/19</td><td></td></time>		11.1.)	marks: eserved to pH < 2 at Lab	Date/Initial:	10/19	
SUBMITTER CODE/DESCRIPTION: 418 NMED -	Ground Water Qu	uality Bureau	0 5	AMPLE PRIORI	FY (call lab if	1/2):
OUSER CODE 30120 (ABCWUA) O 55000 (NMED	-DWB) 055410 (NN	NED-GWQB) 06400	0 (Individual client fee-fo	r-service) O5!	910 (NMED	-SWQB)
© OTHER USER CODE (Select one): 55321 NME	D GWQ Bureau A	Abatement and Ass	essment - General I	und		0
SAMPLER NAME (First): EARLE (La	DIXON	SAMPLERID	#: CONTACT	PHONE #: 5)5827289(0
WSS ID # (xxmmmmn):	WSS NAME:					
FACILITY/LOCATION:		FACILITY ID:	SAMPLI	NG PT. ID:		
New / Change Address for Submitter New / Change Address for WSS / Client Attention To:						
	inated Residual (m	ng/l): pH:	Conductivity (µS/cm)	Teny	perature (° C)	
REMARKS Field remarks: LSW-	Service Schools area		The second secon		COMMON TOWN	
SAMPLING NMED monitoring Confirmation Raw SAMPLE O Filtered water Non-filtered water TYPE O Filter	O Soil/Sediment	O Sludge O Swip	ne/Smear OAir sample		Tissue C) Urine
OR ACID/BASE Na252O3 NaOH to pH > 12		CltopH < 2 🔀 HNO3 to	pH < 2	< 2 Ascorbic	acid Ma	leic aciá
A&M ANALYSES LIST						0
OR ANALYSES LIST		<u></u>				0
RC ANALYSES LIST Gross Alpha and/or	Beta (SM 7100B	Gross Alpha and/o	r Beta)			O
WC ANALYSES LIST						0
CTAR ANALYSES LIST						0
ADDITIONAL ANALYSES adium-226; radium-	228; uranium by l	ICPMS; uranium-2	38/uranium-234			
DATE COLLECTED (MM-DD-YY): 10-09	-14	TIME COLLECT	ED (HH:MM 24-hr):	0:18		
The sample identified on this request form & samp shown in the form fields above; by the sampler list By (print): Earle C. Dixon	le container, was col	ransferred with a tamp	<u>Cont</u>	ipping Present ainer &Intact		Present & Damaged
The sample identified on this form & container wa	s accepted either at t	the DATE/TIME STAME	a tamper-proof seal	<u> </u>	丞	а
The sample identified on this form & container was left of this form, or at the date & time shown below by (print):			r-proof seal			

EPA: 141002-2011



LIMS Report #:

289006

Request Id:

2484552

Submitter:

NMED - Ground Water Quality Bureau

1190 St. Francis Drive

P.O. Box 5469

Santa Fe, NM 87502

Submitter Code:

418

Collector:

EARLE DIXON

User Code:

55321

COC Initiated:

Yes

Condition of Seal:

Not Present

Sample #:

Sample Type:

Sample Condition:

Sample Note:

2014032118

Water, Non-filtered Sample Intact

LSM-51

Date Collected:

10/8/2014 15:19

Date Received: Date Reported: 10/10/2014 16:07

1/20/2015

Value SDL Tech CAS No Analyte Sigma Method 21.2 pCi/L 1.7 1.7 DM SM 7110 B 12587-46-1 Gross Alpha w/ Am-241 Reference 22 2.2 DM SM 7110 B 12587-46-1 Gross Alpha w/ U-nat Reference 26.9 pCI/L Gross Beta w/ Cs-137 Reference 21.9 pCi/L 2.0 2.9 DM SM 7110 B 12587-47-2 12587-47-2 Gross Beta w/ Sr/Y-90 Reference 22.0 pCi/L 2.0 2.9 DM SM 7110 B 13982-63-3 Ra226, SDWA Method 0.03 pCi/L 0.01 0.01 NPV 903.1 15262-20-1 Ra228, SDWA Method -0.03 pCi/L 0.07 0.13 JLE 904.0 07440-61-1 Uranium, Mass Concentration 5.2 2.0 JLE 200.8 52 ug/L 13966-29-5 U234, by Alpha Spec 20,10 pCi/L 0.62 0.091 JLE HASL-300 07440-61-1 U238, by Alpha Spec 15.47 pCi/L 0.50 0.055 JLE HASL-300

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results, When the " Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what is compared to the gross MCI of 15 pCI/L.

REQUEST ID Label R#143
2484552
2484552

One Form Per Sample 1101 Camino de Salud NE Albuquerque, NM 87102 Phone (505) 383-9000

One Form Per Sample CHEMISTRY RC 2014032118

C hert con us dat ern er sessa Prenet errise minte einer im de	reisampie	Phone (:	305) 383-9000	Tel sumple	ZIJ 1 413	112 1 10	
LAB USE>>> ONLY 14 007 1	<< <time< td=""><td>ample Temperatur X Field preservati</td><td>e (°C): 17. 3 Lab Remarks: on confirmed Preserved to p</td><td>oH < 2 at Lab Date/li</td><td>nitial:</td><td>m_{10/10}</td><td></td></time<>	ample Temperatur X Field preservati	e (°C): 17. 3 Lab Remarks: on confirmed Preserved to p	oH < 2 at Lab Date/li	nitial:	m _{10/10}	
	O PH 1: 14					10//0	//4
	RIPTION: 418 NMED - G			SAMPLE			
			ED-GWQB) O 64000 (Individue		O559	10 (NMED	-SWQB)
OTHER USER CODE (S	electione): 55321 NMED	GWQ Bureau A	batement and Assessment	- General Fund			0
SAMPLER NAME (First):	EARLE (Last):	1 011.011	SAMPLERID #:	CONTACT PHONE	#: 505	827289	0
WSS ID # (xxnnnnnnn):		NSS NAME:					
FACILITY/LOCATION:			FACILITY ID:	SAMPLING PT.	ID:		
New / Change Addres.	s for Submitter>	Name:					
New/Change Address	s for WSS / Client>	Address, with ZIP.					
Attention To:	>						
FIELD DATA O NOI	n-chlorinated O Chlorina	ted Residual (m	g/l): pH: Conduc	tivity (µ5/cm):	Temne	rature (° C	
AND	narks: LSM-5		grit.	avity (tis/en/).	rempe	iditine (- C.	
ls:			Non-compliance Split with	h facility Grat	sample	F 60	mposite
SAMPLING X	Confirmation Raw wat				-		
				Groundwater			
TVDE		O soli/sediment	O Sludge O Swipe/Smear	O Air sample O Blo	000	lissue) Urine
U Piner	O Other, Describe:		le le	·		- I press	
IOR ACID/BASE			I to pH < 2 ▼ HNO3 to pH < 2	H2SO2 to pH < 2	Ascorbic a	cid i Ma	lleic acid
ADDED Nais	203 NaOH to pH > 12	Other, Describe:				No. Abuta	
A&M ANALYSES LIST						- 10	0
OR ANALYSES LIST							0
RC ANALYSES LIST	Gross Alpha and/or Be	eta (SM 7100B	Gross Alpha and/or Beta)		******		0
WC ANALYSES LIST							0
CTAR ANALYSES LIST							0
ADDITIONAL ANALYSE	s adium-226; radium-22	8; uranium by I	CPMS; uranium-238/uraniu	m-234			
DATE COLLECTED (MM	DD-YY): 10-08	-14	TIME COLLECTED (HH:MI	M24-hr): 15%	9		
	Ple	rase use this CHAIN C	F CUSTODY FORM to record transfe	On Shipping	Present	Not	Present &
The sample identified or	n this request form & sample	container was col	lected at the date 8 time	Container	& Intact	Present	Damaged
	above; by the sampler listed		ansferred with a tamper-proof s	eal 🖸			
	n this form & container was a	ccepted either at t	he DATE/TIME STAMP shown in			4	,C.25.244
	e date & time shown below (b ca Wilmot Sign	. /\/ / \/	son below), and with a tamper-p	oroof seal Time:		Δ	۵
		by the person belo	the DATE/TIME STAMP shown in ow), and with a tamper-proof sea				۵

EPA: 141002-2011



LIMS Report #:

289007

Request Id:

2484553

Submitter: NMED - Ground Water Quality Bureau

1190 St. Francis Drive

P.O. Box 5469 Santa Fe, NM 87502 Submitter Code:

418

Collector:

EARLE DIXON

User Code:

55321

COC Initiated:

Yes

Condition of Seal:

Not Present

Sample #:

2014032119

Date Collected:

10/8/2014 16:16

Sample Type:

Sample Note:

Water, Non-filtered Sample Intact

Date Received:

10/10/2014 16:08

Sample Condition:

LSM-52

Date Reported: 1/20/2015

CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	70.5 pCi/L	4.9	2.1	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	108.2 pCI/L	7.5	3.3	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	73.0 pCi/L	5.1	3.2	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	68.2 pCi/L	4.7	3.0	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	0.09 pCi/L	0.01	0.02	NPV	903.1
15262-20-1	Ra228, SDWA Method	0.30 pCi/L	0.19	0.36	JLE	904.0
07440-61-1	Uranium, Mass Concentration	200 ug/L	20	10	JLE	200,8
13966-29-5	U234, by Alpha Spec	69.51 pCi/L	2.00	0.210	JLE	HASL-300
07440-61-1	U238, by Alpha Spec	58.22 pCi/L	1.71	0.129	JLE	HASL-300

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the " Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to convert to pCl/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what is compared to the gross MCI of 15 pCi/L.

7 REQUEST 10 Liber 18/14: 2484553	One Form Per Sample	1101 Cam Albuquer	ino de Salud NE rque, NM 87102 505) 383-9000	One For Per San		CHEMISTRY 20140		
LAB USE>>>	DATE << <time< td=""><td>Sample Temperatui</td><td>re (°C): 17,4 Lab Ren</td><td>narks:</td><td></td><td></td><td></td><td></td></time<>	Sample Temperatui	re (°C): 17,4 Lab Ren	narks:				
ONLY 14 OCT 14	CTAMD	▼ Field preservat	ion confirmed Pre	served to pH < 2 at La	b Date/	Initial:	יוןסוןטי	
SUBMITTER CODE/DESCR	IPTION: 418 NMED - C	Ground Water Qu	uality Bureau	0	SAMPL	PRIORITY	(call lab it	1/2):
OUSER CODE 30120 (ABC	WUA) O 55000 (NMED-D	OWB) O55410 (NA	MED-GW/QB) 0 64000	(Individual client fee-	for servic	e) O 559	10 (NMED	-SWQB)
OTHER USER CODE (Sel	ectone): 55321 NMED	GWQ Bureau A	batement and Asse	essment - Genera	I Fund			C
SAMPLER NAME (First):	EARLE (Las	t): DIXON	SAMPLER ID	CONTAC	T PHON	E #: 505	827289	0
WSS ID # (xxnnnnnnnn):		WSS NAME:						
FACILITY/LOCATION:			FACILITY ID:	SAME	LING PT	.ID:		
New/Change Address f	or Submitter>	Name:						
New/Change Address t	ior WSS/Client>	Address, with ZIP:						
Attention To:							113 7 ₁₄	
FIELD DATA O Non-	chilaria starii. O Chilaria	arad Davidual(na	ath I last I	Conductivity (Cf		1-		
AND	chlorinated O Chlorin		ng/l): pH:	Conductivity (µS/c	m):	Tempe	rature (° C	/
REMARKS Field rema			W	C. Francis Confirm				
DOCUMENTATION	VMED monitoring	Compliance	Non-compliance	Split with facility	V 1000	b sample		mposite
<u> </u>	Confirmation Raww			1 0100	1	samples		
SAMPLE O Filtered wate	O Other, Describe:	O Soil; Sediment	O Sludge O Swip	e/Sinear O Air sam	ple O S	lood O	Tissue C) Urine
PRESERVATION None	Lab to acidify Shipp	pedat<4C HC	ItopH < 2 🔀 HNO₃ to	pH < 2 H250= to p	H < 2	Ascorbic a	cid Ma	leic acid
OR ACID/BASE	NaOH to pH > 12	Other, Describe:				ALEXANDE TO THE STATE OF THE ST		
A&M ANALYSES LIST								0
OR ANALYSES LIST								0
RC ANALYSES LIST	Gross Alpha and/or B	eta (SM 7100B	Gross Alpha and/or	Beta)				0
WC ANALYSES LIST								0
CTAR ANALYSES LIST							- VIII - III	0
ADDITIONAL ANALYSES	radium-226; radium-2	28; uranium by I	ICPMS; uranium-23	88/uranium-234				
DATE COLLECTED (MM-D	D-YY): 10-08	-14	TIME COLLECT	ED (HH:MWI 24-hr):	16:	16		
	P	lease use this CHAIN C	F CUSTODY FORM to rec		Shipping	Present	Not	Present &
The sample identified on t	his request form & sample	e container, was col	llected at the date & tir		ntainer	<u>Elntast</u>	Present	<u> Damaged</u>
shown in the form fields a	bove; by the sampler liste	d above, and was to	ransferred with a tamp					
By (print): Parle C		ned: Earle C						
The sample identified on the left of this form, or at the					П	П	io	0
		ned: 7 /	Date:			J	CZZ	u
The sample identified on		accepted either at	the DATE/TIME STAMP	shown in the top				
left of this form, or at the	date & time shown below	(by the person belo	ow), and with a tamper	-proof seal				
By (print):	Sig	ned:	Date:	Time:				

EPA: 141002-2011



LIMS Report #:

289008

Request id:

2484554

Submitter: NMED - Ground Water Quality Bureau

1190 St. Francis Drive

P.O. Box 5469 Santa Fe, NM 87502 Submitter Code:

418

Collector:

EARLE DIXON

User Code:

55321

COC initiated:

Yes

Condition of Seal:

Not Present

Sample #:

2014032120

Date Collected:

10/8/2014 11:27

Sample Type:

Water, Non-filtered

Date Received:

10/10/2014 16:08

Sample Condition:

Sample Intact

Date Reported:

1/20/2015

Sample Note:

LSM-53

CAS No	Analyte	Value	Sigma	SDL	Tech	Method	
12587-46-1	Gross Alpha w/ Am-241 Reference	24.2 pCi/L	2.0	2.1	DM	SM 7110 B	
12587-46-1	Gross Alpha w/ U-nat Reference	32.6 pCi/L	2.7	2.8	DM	SM 7110 B	
12587-47-2	Gross Beta w/ Cs-137 Reference	24.4 pCi/L	2.1	2.9	DM	SM 7110 B	
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	24.3 pCi/L	2.1	2.9	DM	SM 7110 B	
13982-63-3	Ra226, SDWA Method	0.18 pCi/L	0.02	0.01	NPV	903.1	
15262-20-1	Ra228, SDWA Method	0.20 pCi/L	0.07	0.13	JLE	904.0	
07440-61-1	Uranium, Mass Concentration	57 ug/L	5.7	2.0	JLE	200.8	
13966-29-5	U234, by Alpha Spec	25,21 pCi/L	0.76	0.093	JLE	HASL-300	
07440-61-1	U238, by Alpha Spec	16.66 pCi/L	0.53	0.052	JLE	HASL-300	

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are tess than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the " Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what is compared to the gross MCI of 15 pCi/L.

2484554 One Form Per Sample	1101 Cam Albuquer	ino de Salud NE que, NM 87102 505) 383-9000	One Form Per Samp	-	ISTRY AN32	RC 121	e
LAB DATE USE>>> << <time< td=""><td>nple Temperatur</td><td>e (°C): 17. "Lab Rema</td><td>ırks:</td><td></td><td></td><td></td><td></td></time<>	nple Temperatur	e (°C): 17. "Lab Rema	ırks:				
ONLY STAMP X	Field preservati	on confirmed Prese	erved to pH < 2 at Lab	Date/Initio	11: 1	Molit	
14 0CT 10 PH 1: 14	und Water Ou	uolitu Buroou		AAADI E DDI			
SUBMITTER CODE/DESCRIPTION: 418 NMED - Grou				AMPLE PRI			
OUSER CODE 30120 (ABCWUA) O55000 (NMED-DWB,					U 5591	0 (NMED-	SIVQB)
OTHER USER CODE (Selectione): 55321 NMED GV	NQ Bureau A						0
SAMPLER NAME (First): EARLE (Last):	DIXON	SAMPLER ID #:	CONTACT	PHONE #:	5058	3272890)
WSS ID# (xxnnnmnnn): WS	S NAME:						
FACILITY/LOCATION:		FACILITY ID:	SAMPL	ING PT. ID:			
New / Change Address for Submitter>	Name:						
New/Change Address for WSS/Client> Ad	dress, with ZIP:		130	***			
Attention To:				*			
FIELD DATA O Non-chlorinated O Chlorinated	d Residu al (m	g/l): pH:	Conductivity (uS/cm)		Tempero	ature (° C)	
REMARKS Field remarks: LSM-53							
SAMI EMG	npliance	Non-compliance	Split with facility	Grab sa	mple	Col	mposite
DOCUMENTATION Confirmation Raw water	Finished w	vater 🗵 Other, Des	cribe: Ground	dwater sa	mples	LSN	1-53
SAMPLE O Filtered water Mon-filtered water O	Soil/Sediment	O Sludge O Swipe/	Smear O Air sampl	O Blood	OT	issue C	Urine
TYPE O Filter O Other, Describe:				***			
PRESERVATION None Lab to acidify Shipped of	at <4C HC	I to pH < 2 ₩ HNO₃ to p	H < 2 H ₂ SQ ₃ to pH	< 2 - Asc	orbic aci	d Mai	leic acid
OR ACID!BASE Na25203 NaOH to pH > 12 Ot	ther, Describe						
						M a da d	
A&M ANALYSES LIST		W					0
OR ANALYSES LIST							0
RC ANALYSES LIST Gross Alpha and/or Beta	(SM 7100B (Gross Alpha and/or B	Beta)				0
WC ANALYSES LIST							0
CTAR ANALYSES LIST							0
ADDITIONAL ANALYSES adium-226; radium-228;	uranium by I	CPMS; uranium-238	/uranium-234				
DATE COLLECTED (MM-DD-YY): 10-08-1		TIME COLLECTED		1:27	7		
DATE COLLECTED (MINI-DO-TI): 10-03-1	14	TIME COLLECTED	(mn.wei 24-in).	1.2	<i>ţ</i>		
Please	use this CHAIN O	F CUSTODY FORM to reco.		Control of the Contro	esent Intact	Not	Present & Damaned
The sample identified on this request form & sample co	ntainer, was col	lected at the date & time		ramar 5	maci	Present	
shown in the form fields above; by the sampler listed ab			-proof seal				
Make the same of the same from the first are an another are the same of the sa	Earles						
The sample identified on this form & container was acce				П	D	6	
left of this form, or at the date & time shown below (by By (print): Veronica Wilmot Signed		son below), and with a t	amper-proof seal Time:		U	PRI	
is applied from the many transmission and the property from the same and the filters and the filters	U. We	bo DATE TIME CTAMP -					
The sample identified on this form & container was accordent of this form, or at the date & time shown below (by	- Total		14(3)				
By (print): Signed	A CONTRACTOR OF THE PARTY OF TH	Date:	Time:				

EPA: 141002-2011



LIMS Report #:

289009

Request Id:

2484555

Submitter: NMED - Ground Water Quality Bureau

1190 St. Francis Drive

P.O. Box 5469 Santa Fe, NM 87502 Submitter Code:

418

Collector:

EARLE DIXON

User Code:

55321

COC Initiated:

Yes

Condition of Seal:

Not Present

Sample #:

2014032121

Water, Non-filtered

Sample Type: Sample Condition:

Sample Intact

Date Collected:

10/8/2014 11:03

Date Received:

10/10/2014 16:09

Date Reported:

1/20/2015

Sample Note:

LSM-56

CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	8.8 pCi/L	1.3	2.1	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	12.2 pCi/L	1.9	3.0	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	10.5 pCi/L	1.7	2.9	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	10.4 pCi/L	1.6	2.9	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	0.07 pCi/L	0.01	0.01	NPV	903.1
15262-20-1	Ra228, SDWA Method	0.15 pCi/L	0.47	0.96	JLE	904.0
07440-61-1	Uranium, Mass Concentration	21 ug/L	2.1	1.0	JLE	200.8
13966-29-5	U234, by Alpha Spec	11.31 pCi/L	0.41	0.098	JLE	HASL-300
07440-61-1	U238, by Alpha Spec	6.09 pCi/L	0.26	0.064	JLE	HASL-300

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what is compared to the gross MCI of 15 pCi/L.

REQUEST ID Lebel R#143 2484555 One Form Per Sample	1101 Cam Albuquer	iporatory Division lino de Salud NE rque, NM 87102 505) 383-9000	One For Per Sam	m Hilli	TRY RC 403212	
LAB DATE USE>>> << <time< td=""><td>Sample Temperatur</td><td>re (°C): [/8] Lab Re</td><td>marks:</td><td></td><td></td><td></td></time<>	Sample Temperatur	re (°C): [/8] Lab Re	marks:			
ONLY STAMP	▼ Field preservati	ion confirmed Pr	eserved to pH < 2 at Lal	Date/Initial:	MINOIN	
SUBMITTER CODE/DESCRIPTION: 418 NMED - C	Ground Water Qu	uality Bureau	0	SAMPLE PRIOR	ITY(call lab i	f1/2):
OUSER CODE 30120 (ABCWUA) O55000 (NMED-D			0 (Individual client fee-	for-service) O5	5910 (NMEL	D-SWQB)
THER USER CODE (Select one): 55321 NMED	GWQ Bureau A	batement and Ass	essment - General	Fund		0
SAMPLER NAME (First): EARLE (Last	t): DIXON	SAMPLERID	#: CONTAC	T PHONE #:	05827289	0
WSS ID # (xxnnnnnnn):	WSS NAME:					
FACILITY/LOCATION:		FACILITY ID:	SAMP	LING PT. ID:		
New / Change Address for Submitter>	Name:					
New/Change Address for WSS/Client>	Address, with ZIP:					
Attention To:					V	
FIELD DATA O Non-chlorinated O Chlorin		pH: pH:	Conductivity (µS/cr	n): Ten	perature (° C	()
REMARKS Field remarks: LSM-5		Non-compliance	Calle well facilities	F 3-1		
DOCUMENTATION Confirmation Raw we			Split with facility	Grab samp		omposite
SAMPLE O Filtered water & Non-filtered water		O Sludge O Swip		ndwater samp	Tissue	-
O Filter O Other, Describe:	1 - 10 - 10		11.2 - 11.50			1.1
OR ACID/BASE		ITOPH < Z HNO3 to	o pH < 2 H25U4 to p	H < 2 Ascorbi	c acia i Mic	ileic acia
ADDED Na:5;03 NaOH to pH > 12	Other, Describe:					
A&M ANALYSES LIST						0
OR ANALYSES LIST						0
RC ANALYSES LIST Gross Alpha and/or B	leta (SM 7100B	Gross Alpha and/o	r Beta)			0
WC ANALYSES LIST						0
CTAR ANALYSES LIST						0
ADDITIONAL ANALYSES radium-226; radium-2	28; uranium by I	CPMS; uranium-2	38/uranium-234			
DATE COLLECTED (MM-DD-YY): 10 - 08	-14	TIME COLLECT	TED (HH:MM 24-hr):	11:03		
P	lease use this CHAIN O	F CUSTODY FORM to re		ihlpping Preser		Present & Damaged
The sample identified on this request form & sample			line			
shown in the form fields above; by the sampler liste By iprintl: Earle C. Dixon Sig			per-proof seal			
The sample identified on this form & container was left of this form, or at the date & time shown below By <u>fprint</u>): Sig	(by the non-lab per		a tamper-proof seal	0 0	1	0



EPA: 141002-2011



LIMS Report #:

285033

Request Id:

2484556

Submitter: NMED - Ground Water Quality Bureau

1190 St. Francis Drive

P.O. Box 5469 Santa Fe, NM 87502 **Submitter Code:**

418

Collector:

EARLE DIXON

User Code:

55321

COC Initiated:

Yes

Condition of Seal:

Not Present

Sample #: Sample Type:

Sample Note:

2014032106

Water, Non-filtered

Sample Condition:

Sample Intact

GWQB LSM-58

Date Collected:

10/8/2014 11:42

Date Received:

10/10/2014 16:01

Date Reported:

12/16/2014

CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Arn-241 Reference	20.6 pCi/L	2,1	0.9	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	25.6 pCi/L	2,7	1.1	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	9.1 pCi/L	1.7	1.4	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	9.3 pCVL	1.7	1.4	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	0.74 pCI/L	0.03	0.01	NPV	903.1
15262-20-1	Ra228, SDWA Method	0.40 pCi/L	0.08	0.14	JLE	904.0
07440-61-1	Uranium, Mass Concentration	22 ug/L	2.2	1.0	JLE	200.8
13966-29-5	U234, by Alpha Spec	16.5 pCi/L	0.45	0.03	NPV	HASL-300
07440-61-1	U238, by Alpha Spec	6.5 pCi/L	0.19	0.02	NPV	HASL-300

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the " Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to 16 17 18 19 convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is with the converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is with the converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is with the converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is with the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is with the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is with the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is with the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is with the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is with the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is with the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is with the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is with the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is with the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is with the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is with the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is with the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is with the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is with the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is with the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is with the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is with the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is with the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is with the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is with the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is with the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is with the "Gross Alpha w/U-nat Reference"; compared to the gross MCI of 15 pCI/L.

12/16/2014 **Print Date:**

RECEIVED

DEC 2014

Confidential

Page 1 of 1

REOUEET 248	15 Cal	56 R#1	43 Pe	One Fo			1101 Can Albuque Phone (nino de rque, N	Saluc IM 87	INE 102		One F			RY RC 103210	6
USE>>> ONLY	OCT	10 P	Mi		DATE << <time STAMP</time 	\vdash	ple Temperatu Field preserva		1/01			l < 2 at i	Lab Date	e/initial:	10 Oct	
SUBMITTER	COD	E/DESC	RIPTION	v: 418	NMED -	Grou	nd Water Q	uality E	Bureau	ı		(SAMP	LE PRIOR	TY(call lab	if 1 / 2):
OUSER CO	DE 30	120 (AB	CWUA)	O5500	O (NMED-	DWB)	O55410 (NA	NED-GW	(QB)	64000	(Individual	client fe	e-for-serv	ice) Os	5910 (NME	D-SWQB)
OTHERU	SER C	ODE (Se	lect one): 553	21 NMEI	GV	VQ Bureau A	Abatem	ent a	nd Asse	ssment -	Gener	ral Fund			0
SAMPLER N	IAME	(First):	EAR	LE	(La	st):	DIXON		SAMP	LERID#:		CONT	ACT PHO	NE #: 5	0582728	90
WSS ID#(x)	xnnnn	nnn):				WS:	NAME:				*	:Asi				
FACILITY/LO	OCAT	ION:				-		FACILI	ITY ID:			SAN	APLING P	T. ID:		
New/Cl New/Cl Attentio	hange	Address					Name: dress, with ZIP:									
FIELD DATA AND REMARKS		O Non			O Chlori		Residual (n	ng/l):	p	H:	Conducti	ivity (μS/	/cm):	Tem	perature (°	C)
SAMPLING DOCUMENT			NMED r	nonitori	ng C		pliance Finished	Non-co water		ther, De	Split with			rab sample er sampl	es:LSV	omposite N~58
SAMPLE C) Filte	ered wat er			red water Describe:	0	Soil/Sediment	O SIG	udge () Swipe	/Smear C		mple O			O Urine
PRESERVAT OR ACID/B/ ADDED	120	710110	1		-		t < 4 C Hener, Describe:	CI to pH	<2 🔀	HNO₃ to p	0H < 2	H2SO4 to	pH < 2	Ascorbio	acid N	aleic acid
A&M ANAL	YSES	LIST				***								W		0
OR ANALYS	SES LI	ST					A-11A-1									0
RC ANALYS	SES LI	ST	Gross	Alpha	and/or l	Beta	(SM 7100B	Gross	Alpha	and/or	Beta)					0
WC ANALY	SES LI	IST														0
CTAR ANA	LYSES	SLIST	1													0
ADDITION	AL AN	ALYSES	adiun	n-226;	radium-2	228;	uranium by	ICPMS	; uran	ium-238	3/uraniun	n-234				
DATE COLI	LECTE	D (MM-I	DD-YY):	10	-08	-	4	Т	TIME CO	DLLECTE	D (HH:MM	24-hr):	11:	42		
The sample	ident	ified on	this roa	uert for			use this CHAIN (n Shipping Container	Presen & Intac		Present & Damaged
33 55 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	ne form		above; b	y the sa	mpler list	ed abo	ove, and was t	ransferre	ed with	a tampe		al				
left of this f By (print):	form, c		date & 1	time sho	wn below		pted either at he non/fab pe						0		À	0
The sample	e Ident	ified on	this for	m & cor	own below		pted either at he person bel							_	ı 🗅	0

EPA: 141002-2011



LIMS Report #:

289010

Request Id:

2484557

Submitter: NMED - Ground Water Quality Bureau

1190 St. Francis Drive

P.O. Box 5469 Santa Fe, NM 87502 Submitter Code:

418

Collector:

EARLE DIXON

User Code:

55321

COC Initiated:

Yes

Condition of Seal:

Not Present

Sample #:

2014032122

Date Collected:

10/6/2014 16:55

Sample Type:

Water, Non-filtered

Date Received:

10/10/2014 16:09

Sample Condition:

Sample Intact

Date Reported:

1/20/2015

Sample Note:

LSM-80FD

CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	6.9 pCI/L	0.9	1.2	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	8.3 pCI/L	1.1	1.5	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	8.2 pCi/L	1.2	2.1	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	8.5 pCi/L	1.3	2.2	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	0.17 pCi/L	0.01	0.01	NPV	903.1
15262-20-1	Ra228, SDWA Method	0.33 pCi/L	0.08	0.15	JLE	904.0
07440-61-1	Uranium, Mass Concentration	12 ug/L	1.2	1.0	JLE	200.8
13966-29-5	U234, by Alpha Spec	6.74 pCi/L	0,20	0.023	JLE	HASL-300
07440-61-1	U238, by Alpha Spec	3.61 pCi/L	0.12	0.013	JLE	HASL-300

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the " Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what is compared to the gross MCI of 15 pCi/L.

2484557 One Form Per Sample	1101 Cam Albuquer	ino de Salud N que, NM 8710: 505) 383-9000	E	One Form Per Sample	CHEMISTR 	RC 	
AB DATE Sail	mple Temperatur	e (°C): 18. 3	b Remarks:				
	Field preservati	on confirmed	Preserved to p	H < 2 at Lab	Date/Initial:	DM	
SUBMITTER CODE/DESCRIPTION: 418 NMED - Gro	ound Water Qu	ality Bureau	***	O SAI	MPLE PRIORIT	Y(call lab i	f 1 / 2):
OUSER CODE 30120 (ABCWUA) O 55000 (NMED-DWE	B) O55410 (NM	ED-GWQB) O6	4000 (Individue	l client fee-for-s	ervice) O55	910 (NMED	D-SIVQB)
OTHER USER CODE (Select one): 55321 NMED G	WQ Bureau A	batement and	Assessment	- General Fu	nd		0
SAMPLER NAME (First): EARLE (Last):	DIXON	SAMPLE	RID#:	CONTACT PI	ONE #: 50	5827289	0
W55 ID # (XXnnnnnnnn): W.	SS NAME:						
FACILITY/LOCATION:		FACILITY ID:		SAMPLIN	G PT. ID:		
New/Change Address for Submitter> New/Change Address for WSS/Client> Address for WSS/Client>	Name: ddress, with ZIP:			vente.			
FIELD DATA O Non-chlorinated O Chlorinate	ed Residual (m	g/l): pH;	Conduc	tivity (µS/cm):	Temp	erature (° C)
AND REMARKS Field remarks: LSM - 80	FD		<u> </u>				
SAMPLING DOCUMENTATION Confirmation Raw water SAMPLE OF Filtered water Of there Of the Confirmation TYPE OF Filter Of the Confirmation Raw water Of Non-filtered water Of the Confirmation Raw water Confirmation Confirmation Raw water Confirmation Confirmation Raw water Confirmation Co	Finished v Soil/Sediment	O Sludge O	r, Describe. Swipe/Smear	O Air sample		s: LSM- Tissue) Urine
OR ACID/BASE Na25:03 NaOH to pH > 12 O		noph (2) And	Οπο <i>μ</i> η (2	11230415 p11 C	2 1 2500/0/0	uca Mc	O
OR ANALYSES LIST					***************************************		0
RC ANALYSES LIST Gross Alpha and/or Beta	a (SM 7100B (Gross Alpha ar	nd/or Beta)				0
WC ANALYSES LIST							0
CTAR ANALYSES LIST					1. 7		0
ADDITIONAL ANALYSES radium-226; radium-228	; uranium by I	CPMS; uraniu	m-238/uraniu	m-234			
DATE COLLECTED (MM-DD-YY): 10 - 06 -	- 14	TIME COLI	LECTED (HH:MN	124-hr): 16	: 55		
Pleas The sample identified on this request form & sample co		F CUSTODY FORM		On Shipi Contain		<u>Not</u> <u>Present</u>	Fresent & Damaged
shown in the form fields above; by the sampler listed a By (print): Earle C. Dixon Signed	bove, and was tr		tamper-proof s	eal			
The sample identified on this form & container was accleft of this form, or at the date & time shown below (by By (print): Veronica Wilmot Signer		son below), and			<u> </u>	A	ū
The sample identified on this form & container was accleft of this form, or at the date & time shown below (by By (print): Signe	the person belo	ow), and with a ta		170		۵	۵



EPA: 141002-2011



LIMS Report #:

285034

Request Id:

2484558

Submitter: NMED - Ground Water Quality Bureau

1190 St. Francis Drive

P.O. Box 5469

Santa Fe, NM 87502

Submitter Code:

418

Collector:

EARLE DIXON

User Code:

55321

COC Initiated:

Yes

Condition of Seal:

Not Present

Sample #: Sample Type: 2014032107

Water, Non-filtered

Sample Condition:

Sample Intact

Date Collected:

Date Received: **Date Reported:** 10/7/2014 17:25 10/10/2014 16:02

12/16/2014

Sample Note:

GWQB LSM-85 FD

CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	28.7 pCi/L	2.1	1.4	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	37.3 pCi/L	2.8	1.9	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	21.7 pCi/L	2.0	2.1	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	21.8 pCi/L	2.0	2.2	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	0.07 pCi/L	0.01	0.01	NPV	903.1
15262-20-1	Ra228, SDWA Method	0.19 pCi/L	0.08	0.14	JLE	904.0
07440-61-1	Uranium, Mass Concentration	66 ug/L	6.6	1.0	JLE	200.8
13966-29-5	U234, by Alpha Spec	21.8 pCi/L	0.63	0.12	NPV	HASL-300
07440-61-1	U238, by Alpha Spec	16.1 pCi/L	0.49	0.07	NPV	HASL-300

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the " Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what is 15 16 17 18 compared to the gross MCI of 15 pCi/L.

> RECEIVED DEC. 2014



F AEOUEST 10 2484	558	¹⁴³ One Form Per Sample	1101 Carr Albuque	nino de Salud NE rque, NM 87102 505) 383-9000	One	Form Sample	CHEMISTRY						
LAB USE>>>	·	DATE << <time< td=""><td>Sample Temperatu</td><td>re (°C): 17. TLab Re</td><td>emarks:</td><td></td><td>ZU140</td><td>34.107.</td><td></td></time<>	Sample Temperatu	re (°C): 17. TLab Re	emarks:		ZU140	34.107.					
ONLY		STAMP	X Field preservat	tion confirmed P	reserved to pH < 2 a	t Lab Date	/Initial: 1	Oct	4/00				
	lu Pri	1:12	Secured Makes O	Little Democra		<u> </u>							
		RIPTION: 418 NMED - (<u> </u>		SAMPL							
		(WUA) 055000 (NMED-L				Threshold of Albertano	ce) O559	10 (NME	D-SWQB)				
© OTHER USER	R CODE (Se	lectone): 55321 NMED	GWQ Bureau A	Abatement and Ass	sessment - Gen	eral Fund			0				
SAMPLER NAM	E (First):	EARLE (Las	DIXON	SAMPLER ID	#: CON	TACT PHON	E#: 50	5827289	0				
WSS ID # (xxnni	nnnnn):		WSS NAME:										
FACILITY/LOCA	ATION:			FACILITY ID:	SA	MPLING P	î. ID:	*	14				
New/Chan	ge Address	for Submitter>	Name:				14.45						
New/Chan	ge Address	for WSS / Client>	Address, with ZIP:										
Attention To	o:	>											
FIELD DATA AND	O Non-	chlorinated O Chlorin	ated Residual (m	ng/l): pH:	Conductivity (μ	S/cm):	Tempe	erature (° C)				
REMARKS	Field remo	remarks: LSM-85FD											
SAMPLING	X	NMED monitoring	Compliance	Non-compliance	Split with facilit	y Gr	ab sample		mposite				
DOCUMENTAT	ION	Confirmation Raw we	ater Finished	water 🗵 Other,	Describe: Gi	oundwate	r samples	;LSM-	85FA				
SAMPLE O F	iltered wate	Non-filtered water	O Soil/Sediment	O Sludge O Swi		ample O) Urine				
TVDE	ilter	O Other, Describe:		<u> </u>									
PRESERVATIO	1 110110	Lab to acidify Shipp	edat<4C HC	ItopH < 2 ▼ HNO3 t	opH < 2 H2SO4	to pH < 2	Ascorbic a	cid Mc	leic acid				
OR ACID/BASE ADDED		03 NaOH to pH > 12	Other, Describe:	, , , , , , , , , , , , , , , , , , , ,									
		To treat											
A&M ANALYSE	ES LIST	Tie							0				
OR ANALYSES	LIST								0				
RC ANALYSES	LIST	Gross Alpha and/or B	eta (SM 7100B	Gross Alpha and/o	or Beta)				0				
WC ANALYSES	LIST								0				
CTAR ANALYS	ES LIST		** ***********************************						0				
ADDITIONAL A	ANALYSES	radium-226; radium-2	28: uranium hv l	ICPMS: uranium-2	38/uranium-23/	la n							
		Jadidili-220, radidili-2	zo, uramum by i	ior wo, aramam-z	.00/dramam-20-								
DATE COLLEC	TED (MM-C	10-17: 10-07	-14	TIME COLLEC	TED (HH:MM 24-hr)	17:	25						
	- 10	P	lease use this CHAIN C	OF CUSTODY FORM to r	ecord transfer	On Shipping	Present	Not	Present &				
T1 1						Container	& Intact	Present	Damaged				
		this request form & sample bove; by the sampler liste				🗅			<u> </u>				
		ini - i i i i i i i i i i i i i i i i i	ned: Earlel	2. Diston	, •				- "				
		this form & container was	accepted either at	the DATE/TIME STAM	P shown in the top			77-	U				
left of this form		date & time shown below	(by the non-lab per	rson below), and with	a tamper-proof se	al 🗆		A					
By (print):	Veronic	a Wilmot Sig	ned: 2. (1)	lmot Date	: Time:		-						
		this form & container was					_	-	_				
								0					
		Sia	ned:				_	_	<u> </u>				